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VOL. LXXVII.—PART IV

SECOND SESSION

OF THE

TWENTY-FIRST LEGISLATURE

OF THE

PROVINCE OF ONTARIO

SESSION 1945

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1946

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Thirty-Ninth Annual Report

OF THE

ONTARIO MUNICIPAL BOARD

to December 31, 1944

PRESENTED TO THE LEGISLATIVE ASSEMBLY
BY COMMAND

ONTARIO

TORONTO

Printed and Published by T. E. Bowman, Printer to the
King's Most Excellent Majesty, 1945

March 22nd, 1945

TO THE HONOURABLE ALBERT MATTHEWS,
Lieutenant-Governor of the Province of Ontario in Council

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to transmit herewith the Thirty-ninth Report of the Ontario Municipal Board for the year ending December 31st, 1944.

Respectfully submitted

(sgd.) G. H. DUNBAR,
Minister of Municipal Affairs

Parliament Buildings,
Toronto.

March 22nd, 1945

Re Thirty-ninth Annual Report

Dear Sir:

I have the honour to send you herewith the Thirty-ninth Annual Report of the Ontario Municipal Board to December 31st, 1944.

Your obedient servant,

(sgd.) M. B. SANDERSON,
Secretary

The Honourable G. H. Dunbar,
Minister of Municipal Affairs,
Parliament Buildings,
Toronto.

ORGANIZATION

of the

ONTARIO MUNICIPAL BOARD OF THE PROVINCE OF ONTARIO

R. S. COLTER, K.C.	CHAIRMAN
W. P. NEAR, B.A.Sc.	VICE-CHAIRMAN
H. H. DONALD, K.C.	MEMBER
M. B. SANDERSON	SECRETARY
J. A. McDONALD	INSPECTOR OF TELEPHONE SERVICE

THIRTY-NINTH ANNUAL REPORT

OF THE

Ontario Municipal Board

to December 31, 1944

PRESENTED TO THE LEGISLATIVE ASSEMBLY
BY COMMAND

THIRTY-NINTH ANNUAL REPORT

OF THE

Ontario Municipal Board

to December 31, 1944

In pursuance of Section 108 of "The Ontario Municipal Board Act" (R.S.O. 1937, Chapter 60), the Ontario Municipal Board beg leave respectfully to submit their Thirty-ninth Annual Report.

"THE ONTARIO MUNICIPAL BOARD ACT"

Since the revision of the Statutes of Ontario in 1937, "The Ontario Municipal Board Act" was amended by Statutes of Ontario, 1938, Chapter 37, Section 18; 1939, Chapter 47, Section 26; 1940, Chapter 20; and 1941, Chapter 40. See also Ontario Statutes 1942, Chapter 34, Sections 41 and 42 (6), and Ontario Statutes 1943, Chapter 15, Sections 1 and 2 and Section 11.

SITTINGS OF THE BOARD

The Board held meetings for the transaction of routine business and the disposal of applications every juridical day throughout the year. Many of these applications, though dealt with informally and disposed of without the necessity of Hearings, entailed in many instances a considerable amount of inquiry and consideraton on the part of the Board, especially those coming under the provisions of Section 70 of the Board's Act, which section requires all capital undertakings and expenditures therefor involving the issue of debentures by Municipalities to be approved by the Board.

APPLICATIONS TO THE BOARD

There were 1312 applications to the Board during 1944 (exclusive of Public Vehicle and Public Commercial Vehicle License applications), and in regard to these and applications not disposed of in 1943, 182 public hearings were held. The applications included a great variety of matters falling within the jurisdiction of the Board and those granted are set out in a list contained in the "Abstract and Summary" appended to this Report, indexed under "Orders of the Board." Copies of formal Decisions issued are also contained in the Abstract and Summary, indexed under "Decisions of the Board" and also under the names of the Parties.

APPROVAL OF RATEPAYERS

By Section 59 (f) of "The Ontario Municipal Board Act" the Board is given power to direct that before any approval is given to the exercise of any powers by a Municipality or to any By-law passed by it, the assent of the electors thereof or of those qualified to vote on money by-laws shall first be obtained, notwithstanding such assent is not otherwise requisite, By virtue of this legislation the Board is continuing its policy, adopted in 1938, of insisting that major capital expenditures involving the issue of debentures, the cost of which would be met out of general rates, be submitted to the ratepayers for their approval before being presented to the Board, and further the Board is of the opinion that a representative vote can best be obtained by a vote taken at the same time as the municipal election. The result of this policy in many instances has been the rejection of the proposed expenditure by the ratepayers.

APPROVAL OF UNDERTAKING OF CAPITAL EXPENDITURES BY MUNICIPALITIES

(Section 70 of "The Ontario Municipal Board Act" R.S.O. 1937, C. 60),
(Subsection (3) re-enacted O.S. 1940, C. 20, S. 4),
(Subsection (1) amended O.S. 1941, C. 40, S. 3).

On April 18th, 1935, legislation came into effect whereby a Municipality is prohibited from exercising any of its powers to proceed with, authorize or provide any moneys for any undertaking, work, project, scheme, act, matter or thing, the cost of, or any portion of the cost of which is intended or required to be provided or raised by the issue of debentures of the Municipality, until the approval of this Board is first obtained. This enactment overrides the provisions of any general or Special Act and necessitates a great many applications to the Board. A list of these applications granted will be found in the Summary included in the list indexed under "Orders of the Board."

Seven hundred and sixty-five applications in respect to proposed expenditures totalling $24,849,252.39 were considered by the Board. It should be noted however, that since Municipal representatives are now aware of the fact that they must obtain the Board's approval of proposed capital undertakings, a large percentage avail themselves of the opportunity of discussing their proposed borrowings with the Board and in many instances are advised that the Board would not be willing to grant approval. Accordingly formal applications in these instances are not filed and do not show in the Board's records.

It should also be noted that the existence of this legislation gives the Board an opportunity to advise and control with regard to the type and term of the debentures to be issued. In this connection the Board has pursued the policy of approving only instalment debentures as opposed to sinking fund debentures, and, believing that the saving of interest effected thereby accrues to the benefit of the municipal ratepayers, is generally requiring the term of repayment to be shorter than formerly.

The following list (generally speaking), shows the maximum debenture term allowed by the Board under this restrictive policy:—

Sidewalks	10 years
Curbs and Gutters	10 years
Pavements	10 years
Watermains	15 years
Sanitary Sewers	15 years
Trunk Sewers	20 years
Buildings, including School	20 years

A recital in the debenture by-law of the Board's approval under said Section 70 is obligatory, pursuant to an amendment passed at the 1939 Session of the Legislature (Chapter 30, Section 17) adding paragraph (e) to subsection (1) of Section 305 of "The Municipal Act."

ANNEXATIONS

Pursuant to Section 20 of "The Municipal Act" (R.S.O. 1937, C. 266) the Board considered eight applications for annexation and one application pursuant to Section 23 of the same Act, as re-enacted by Ontario Statutes 1939, Chapter 30, Section 2. The last mentioned legislation also provides for amalgamation of Municipalities and requires a Special Act of the Legislature to validate the Board's Order.

ARBITRATIONS

Three references were made to the Board in 1944 of which one was pursuant to "The Niagara Parks Act" (R.S.O. 1937, C. 93) and "The Public Works Act" (R.S.O. 1937, C. 54) for the fixing of compensation for certain lands expropriated by the Niagara Parks Commission. A copy of the Award will be found in the Appendix, indexed under "Decisions of the Board."

The other references pursuant to "The Power Commission Act" (R.S.O. 1937, C. 62) were withdrawn.

ASSESSMENT APPEALS

There were eleven appeals to the Board in 1944 pursuant to Section 84 of "The Assessment Act" involving assessments totalling $16,121,432.30, seven of these were in respect to assessments of property totalling $2,948,252.00, one of business—$31,141,835.00 and three of Income, $13,141,835.00.

Of these appeals one respecting property was settled prior to the Hearing, and Minutes of Settlement were approved by Order of the Board; one appeal respecting property was withdrawn; the three appeals respecting Income were heard and Decisions reserved and the remaining appeals were held over for consideration in 1945.

Copies of the Board's written Decisions in respect to Appeals filed in 1943 and disposed of in 1944 will be found in the Summary, as well as copies of the Board's Decisions on the Motion questioning the Board's jurisdiction to hear the above referred to Appeals respecting Income. These will also be found in the Abstract and Summary all indexed under "Decisions of the Board" and also under the names of the Parties.

EXTENSION OF PUBLIC UTILITIES

(Section 407 (2) of "The Municipal Act")

During 1944 the Board approved of extensions to Public Utilities in an amount totalling $353,000.00, covering seven applications. These are shown in the Summary in the list of "Orders of the Board."

FORMATION OF TOWNSHIPS IN UNORGANIZED TERRITORY

(O.S. 1944, C. 39, S. 3)

A re-enactment of Section 24 of "The Municipal Act" in 1944 provides for the formation by this Board of a locality in unorganized territory, into a Township. Two such applications were filed in 1944.

IMPROVEMENT DISTRICTS

(O.S. 1943, C. 16, S. 1)

In 1943, Legislation was enacted by an amendment to "The Municipal Act" (Section 44a), under which, by Order of this Board a locality may be erected into an Improvement District. In 1944 there were seven such applications filed, of which four were granted, the disposition of the others being deferred until 1945. Copies of the Board's Orders issued herein will be found in the Summary indexed under "Orders of the Board."

PLANS OF LAND SUBDIVISIONS

Under "The Planning Development Act" (R.S.O. 1937, C. 270), (amended O.S. 1941, C. 55, S. 24), "The Land Titles Act" (R.S.O. 1937, C. 174, S. 112) and "The Registry Act" (R.S.O. 1937, C. 170, S. 83 (15)), one hundred and nineteen plans were presented to the Board in 1944 for approval and certification.

Before disposing of these applications, the Board confers with the Surveys Branch of the Department of Highways and with the Planning and Development Department.

PROVINCIAL RAILWAYS

Extensions to and improvements of Railways operating under Provincial Charter during 1944 as reported to the Board will be found in the Summary, arranged alphabetically under the names of the several systems reporting.

Annual Reports to December 31st, 1944, by Railway Companies under the Board's jurisdiction were received, of which a summarized tabulation has been prepared for publication herein. The Board has no means of auditing these reports as received and cannot therefore guarantee that the figures taken therefrom are correct or accurate.

Under "The Railway Act" there were fifteen applications to the Board in 1944.

A tabulation of Accident Reports received by the Board from Provincial Railways during the year 1944 is included in the Summary and shows that twenty-three persons were killed and one thousand, seven hundred and fifty-seven injured during the year.

PUBLIC VEHICLE AND COMMERCIAL LICENSES

Pursuant to "The Public Vehicles Act" (R.S.O. 1937, C. 289), and "The Commercial Vehicle Act" (R.S.O. 1937, C. 290), no Public Vehicle or Commercial Vehicle License respectively, may be issued by the Department of Highways without the approval of the Board being first obtained as evidenced by a Certificate of Public Necessity and Convenience of the said Board furnished to that Department, and then only in accordance with such Certificate. Upon the granting of a Certificate by the Board the Department may then, in its discretion, issue or refuse a license.

The Board set aside twenty-one days during the year for hearing the applications for Certificates of Public Necessity and Convenience. In addition the Board has set aside each Friday morning to deal with the matter of transfers and other details brought before it by the Public Vehicle Division.

During the year, twenty-seven applications were made for Public Vehicle Licenses and Four hundred and twelve for Commercial Vehicle Licenses. These include applications for extensions to and clarification of existing licenses, and the following is a classification of these and the disposition made of same:—

	P.V.	School Vehicle	A.	B.	C.	D.	E.	F.	H.	Total
Applications Received	27	160	23	4	109	33	97	141	5	600
Applications Granted	18	158	12	3	66	25	85	127	...	494
Applications Dismissed	3	2	10	...	29	6	1	6	5	62
Applications Cancelled	.....	....	.....	...	1	2	7	3	...	13
Applications Withdrawn	1	....	.....	1	11	.....	1	1	...	15
Applications Reserved	5	....	1	...	2	.....	3	5	...	16

In supporting an application before the Board, the applicant may appear in person or be represented by his solicitor, or, under exceptional circumstances, if unable to attend, may submit evidence in the form of letters, petition or affidavits. The Board hears and considers the evidence for and against and also takes into consideration the facilities extended by existing licensed operators, and its decision is based on whether public necessity and convenience requires the service for which the application is made. The Board has required that sufficient evidence be filed with each application for a license or extension to a license to justify the application being listed for hearing. This has tended to shorten the list as well as to insure that applications are supported when listed for hearing.

All transfers of Public Vehicle and Public Commercial Vehicle Licenses are subject to the approval of the Board and care is taken to prevent anything that might appear to be trafficking in licenses. Transfers of important licenses are usually made the subject of a Hearing and evidence is heard for and against.

Through the co-operative efforts of the Department of Education and the Public Vehicle Division of the Department of Highways, an effort was made to have all motor vehicles carrying school children, licensed under a school bus permit. These applications were dealt with by the Board and permits issued for which no fees were charged and the result has been that one hundred and sixty School Bus applications were received during the year. Of these, one hundred and fifty-eight were granted and two applications dismissed. The chief objective of this effort has been to require all such vehicles to carry insurance as provided by "The Public Vehicle Act."

REDEMPTION CLAUSE IN DEBENTURE BY-LAWS

("The Municipal Act" (R.S.O. 1937, C. 266, S. 305 (15) (d))

By an amendment in 1944 (C. 39, s. 22 (5)), to Section 305 (15) of "The Municipal Act" the inclusion in a debenture By-law of a provision for redemption of all or a portion of the debentures at the option of the Corporation is now mandatory. This Board's approval of Notice to be given as such redemption, in addition to the Statutory Notice, is required by paragraph (d) of the said subsection (15).

RESTRICTED AREAS

Under Section 406 of "The Municipal Act" (R.S.O. 1937, C. 266), (as re-enacted by O.S. 1941, C. 35, s. 13), the Board considered sixty-one applications for approval of Municipal By-laws placing restrictions on certain areas as to use of land, the erection and use of buildings thereon; also sixty-three applications for variation of restricted areas already established. The applications granted are shown in the Summary in the list of "Orders of the Board."

RETIREMENT OF UNMATURED DEBENTURES

(Section 59 (dd) of Part IV, R.S.O. 1937, C. 60 as enacted by O.S. 1939, C. 37, s. 26 (1).)

Eight Municipalities took advantage of this legislation, which came into effect on April 27th, 1939, and applied to the Board for authority, without assent of the electors, to retire certain of their debentures redeemable before maturity. The total amount of the new issues authorized by the Board was $15,320,852.42.

REVENUE

By Ontario Statutes, 1939, Chapter 47, Section 26 (3), Section 107 of "The Ontario Municipal Board Act," being the section respecting the Board's fees, was repealed and re-enacted. The new section came into effect on the 27th day of April, 1939, and the fees are now payable in cash ON THE APPLICATION instead of Law Stamps on the Board's Order.

During 1944 the Board's fees on applications amounted to $24,697.53. In this amount is included the fees on applications for Public Vehicle and Public Commercial Vehicle Licenses—collected by the Department of Highways and credited to the Board.

SUPERVISED MUNICIPALITIES

Pursuant to the provisions of "The Department of Municipal Affairs Act," the Board in 1944 considered and approved plans for funding and refunding the bonded indebtedness of the Corporations of the Township of Teck and the Town of Hawkesbury. Two applications for variation of certain local improvement rates were also approved.

VALIDATION OF MUNICIPAL BY-LAWS AND DEBENTURES

(Section 64 of Part IV, R.S.O. 1937, C. 60)

Fifty-nine applications were made to the Board in 1944 for validation of Municipal By-laws and certification of the debentures authorized thereunder. The total of such debenture issues was $17,060,024.55.

While purchasers of debentures are frequently satisfied with Orders of the Board, under Section 70 of the Board's Act, it has been found, particularly in regard to the larger issues, that a further Order of the Board validating the By-law and providing for certification of the debentures, facilitates the marketing of the issue.

FORMS

The Board has (for distribution to parties interested) the following forms and specifications, namely:—

1. The Board's Rules of Practice and Procedure and Practice Forms.
2. Memorandum of material required in support of application for approval of undertaking of capital expenditures involving debenture issue, under Section 70 of "The Ontario Municipal Board Act" (R.S.O. 1937, Chapter 60).
3. Forms of By-laws and Notices which may be used when carrying out the provisions of Sections 280 and 305 of "The Municipal Act" (R.S.O. 1937, Chapter 266) in respect to voting on Money By-laws, also form of redemption clause which may be used in Debenture By-laws.
4. Forms for Annual Reports by Railway Systems.
5. Forms for Reports as to Examination of Motormen.
6. Forms for Reports of Accidents by Railway Systems.
7. Tariff of the Board's Fees.
8. Forms under "The Planning and Development Act" with directions for guidance of applicants thereunder.
9. "The Telephone Act."
10. Form of Annual Report to be furnished to the subscribers to a Telephone System established under Part II of "The Telephone Act."
11. Instructions for preparation of Annual Report as mentioned in No. 10.

12. Pamphlet containing information regarding Municipal Telephone Systems and including:—
    (a) Form of By-law providing for the establishment of a telephone system under Part II of "The Telephone Act."
    (b) Form of By-law providing for the issue of debentures to pay for the cost of establishing a telephone system under Part II of "The Telephone Act."
    (c) Form of Account for use by Telephone Companies using the "Discount System" of Collections.
    (d) Form of Municipal Debentures—Instalment Plan.
13. Form of By-law to regulate the management and operation of a telephone system established under Part II of "The Telephone Act" (draft form).
14. Draft Form of By-law to regulate the management and business of a telephone company.
15. Form of Petition praying for the establishment or extension of a telephone company under Part II of "The Telephone Act."
16. Form of By-law granting to a telephone company the right to use the highways of a Township.
17. Form for Return by Municipality operating a telephone system.
18. Form for Return by Company, etc., operating a telephone system.
19. Form for Tariff of Tolls for telephone system.
20. Form for Return by Telephone Companies required by Order of the Board to set up a reserve for depreciation.

MISCELLANEOUS MATTERS UNDER THE BOARD'S JURISDICTION

Copies of the Board's written Decisions and a list of Orders issued in 1944 appear in the Summary. These relate to:—

Annexations and amalgamations—Sections 20 and 23 of "The Municipal Act."

Arbitrations—"The Niagara Parks Act" and "The Public Works Act."

Assessment Appeals—Section 84 of "The Assessment Act."

Assessments—Fixed—Section 405 (1), paragraph (b) of "The Municipal Act" (as re-enacted by O.S. 1941, C. 35, s. 12, s.s. (1).

Bridges—Relief from rebuilding—Section 480 of "The Municipal Act."

Detachment of farm lands from urban Municipalities—Section 21 of "The Municipal Act."

Extension of Debenture Issue Period—Section 305 (11) and (12) of "The Municipal Act."

Extension of Municipal Utilities—Section 407 (2) of "The Municipal Act."

Fuel, approval of By-laws for purchase, storage and sale of—Section 405 (38) of "The Municipal Act."

Highways—Closing of, by Department of Highways—Section 79 (a) of "The Highway Improvement Act."

Highways, Narrow—Section 502 (2) of "The Municipal Act."

Improvement Districts—Erection of—Sections 44 (a) and (e) of "The Municipal Act."

Increased Borrowings by Municipalities—Section 339 (2) of "The Municipal Act."

Interest Rate—Reduction of on debentures—Section 310 of "The Municipal Act."

Lanes—Opening and paving of—Section 29 (3) of "The Local Improvement Act."

Legislation, Special—Approval of By-laws under.

License Fee, approval of fixing of, to residents of a Municipality owning and using a bicycle on any highway thereof—Section 420 (11) and 423 (3) of "The Municipal Act."

Local Improvements, approval of undertaking of and passing of a By-law therefor —Section 8 of "The Local Improvement Act."

Local Improvements, approval of abandonment of part of work—Section 18 of "The Local Improvement Act."

Plans (Land Subdivision), Approval of—"The Planning and Development Act," "The Land Titles Act" and "The Registry Act."

Redemption Clause, Approval of in Debenture By-laws—Section 305 (15) (d) of "The Municipal Act."

Restricted Areas, Approval of By-laws for establishment of—Section 406 of "The Municipal Act" (as re-enacted by O.S. 1941, C. 35, s. 13).

Restricted Areas, repeal of, or amendments to—Section 406 of "The Municipal Act" (as re-enacted by O.S. 1941, C. 35, s. 13).

Retirement of unmatured debentures—Section 59 (dd) of "The Ontario Municipal Board Act" (as enacted by O.S. 1939, C. 47, s. 26 (1).

Sinking Funds, use of Surplus and authority to dispense with further levy for, where amount in Sinking Fund sufficient—Section 321 (a) and (b) of "The Municipal Act" (as enacted by Section 18, O.S. 1939, C. 30).

Supervised Municipalities, Refunding Plans—"The Department of Municipal Affairs Act."

Supervised Municipalities, Variation in Local Improvement Rates—Sections 32 (h) and 64 (b) of "The Department of Municipal Affairs Act."

Tariff of Fees, Approval of Board's—Sections 106 and 107 of "The Ontario Municipal Board Act."

Tax Rate, Approval of further debt and levy therefor—Section 315 (2) of "The Municipal Act."

Telephone Companies and Systems—

Validation of Municipal Debentures—Section 64 (Part IV) of "The Ontario Municipal Board Act."

Vote of Electors, Applications to dispense with—Section 69 of "The Ontario Municipal Board Act."

Wards, Division of Township into—O.S. 1943, C. 49, Section 1.

Weigh Scales and weighing of coal and coke—Section 408 (11) (c) of "The Municipal Act."

(Sgd.) M. B. SANDERSON,

Secretary.

THE ONTARIO MUNICIPAL BOARD

REPORT OF THE INSPECTOR OF TELEPHONE SERVICE FOR THE YEAR 1944

The following applications under the provisions of "The Telephone Act" (R.S.O. 1937, Chapter 261) were dealt with by the Board in 1944:

Under Section 31: For the approval of the purchase of an existing telephone system or any portion thereof, by a municipality	3
Under Section 51: For an Order approving appointment of Commissioners to fill vacancy	1
Under Section 56: For the approval of by-laws of a municipal telephone system	2
Under Section 58: For an Order prescribing the date for holding the annual meeting of subscribers	4
Under Section 79: For the approval of municipal by-laws granting the right to erect poles and wires upon the highways	4
Under Section 87: For the approval of by-laws of a telephone company	13
Under Section 96: For the approval of agreements providing for interchange of service	4
Under Section 101: For the approval of sale of telephone systems	5
Under Section 103: For the approval of charges for telephone service	63
Under Section 109: For authority to expend a portion of the moneys set aside for depreciation, upon new construction or extensions or in the purchase of securities	34
Total Number of Applications	133

The continued policy of the Board in endeavoring to secure an amicable settlement in matters in dispute between the applicant and respondent has proved successful in the majority of cases.

In addition to the applications and complaints referred to, a vast amount of correspondence relating to telephone matters has been dealt with by the Board's Telephone Department, through the medium of which much information and assistance has been given to municipalities, companies and other persons interested, and many difficulties which might otherwise have necessitated a formal application and public hearing have been satisfactorily adjusted.

The number of telephone systems within the jurisdiction of Ontario of which the Board has record is 562, operating 135,218 telephones, 32,049 miles of pole lead carrying 208,998 miles of wire and representing an investment of over $12,000,000.

During the year the following changes were made in the Board's records of telephone systems coming within its jurisdiction:

The Plant and Assets of the Thunder Bay Telephone Company, Limited and the Beardmore Telephone Company, Limited, were acquired by Long Lac Telephones, Limited.

The Plant and Assets of the Mallorytown Telephone Company, Limited, and the telephone system known as the Millard Private Telephone Line were acquired by The Bell Telephone Company of Canada.

The Plant and Equipment of the Cumberland Municipal Telephone System was acquired by Mr. J. E. Dunfield and is being operated under the name of the Cumberland Telephone System.

The Plant and Equipment of the Spring Creek Telephone Company, Limited, was acquired by the Innerkip Rural Telephone Company, Limited.

The Plant and Equipment of the Lake Shore Mutual Telephone Company, Limited, was acquired in part by the Bruce Municipal Telephone System and part by the Huron and Kinloss Municipal Telephone System.

There are ten systems owned and operated by municipalities under the provisions of Part I of "The Telephone Act" viz.: The Cities of Fort William and Port Arthur, the Towns of Cochrane, Dryden, Fort Frances, Kenora, Keewatin and Rainy River, and the Townships of Alberton and Caledon.

One hundred and seventeen systems are now established and operating under Part II of "The Telephone Act" and furnishing service in two hundred and seventy-seven towns, villages and townships.

There are seventy systems owned and operated by individuals or partnerships of less than five persons, three hundred and forty-four by Incorporated Telephone Companies, ten by Incorporated Companies other than Telephone Companies, and ten by Federal and Provincial Government Departments and Commissions.

In addition to the before-mentioned systems, the Forestry Branch of the Department of Lands and Forests is operating an extensive system in connection with its work of fire prevention. This system comprises 797 telephone stations, 2252 miles of pole lead, 1104 miles of tree line, and 6194 miles of wire, the total investment being $352,183.00.

Detailed statistics and other information relative to these systems will be found in the appendix to this report, entitled "Telephone Systems, 1945."

JAS. A. McDONALD,
Inspector of Telephone Service.

MEMORANDUM OF LEGISLATION

EXCLUSIVE OF SPECIAL ACTS, UNDER WHICH THE ONTARIO MUNICIPAL BOARD EXERCISES JURISDICTION

Additional Expenditures: By Subsection 3 of C. 40, O.S. 1941, which is an amendment to sub-section (1) of Section 70 of the Board's Act, authority is given to the Board to approve of expenditures "not provided for in the estimates of the current year." This approval is given only where it can be shown that such expenditure will not create a deficit at the end of the year's operations.

Annexations: R.S.O. 1937, C. 266, Sections 16, 17, 20 and 23 (as re-enacted by O.S. 1939, C. 30, Section 2).

The Corporation of any municipality may, by By-law, ask the Municipal Board for amalgamation or annexation. After a hearing, the Board may make rules and regulations as to the Government, etc., of the Municipality as formed.

Any Order of annexation or amalgamation (Subsection 2 of Section 14) shall take effect only after and when confirmed by Act of the Legislature.

Arbitrations: R.S.O. 1937, C. 62, Section 22.

Reference may be made to the Board for the fixing of the amount of compensation to be paid to owners for lands and rights-of-way taken by expropriation under "The Power Commission Act" where parties are not in agreement.

R.S.O. 1937, C. 56, Section 79:

Reference may be made to the Board for the fixing of the amount to be paid by the Department of Highways for land expropriated under "The Highway Improvement Act" where parties not in agreement.

O.S. 1942, C. 34, Section 41:

An expropriating body may elect that the amount of compensation for lands taken shall be heard and determined by The Ontario Municipal Board.

Assessment Appeals: R.S.O. 1937, C. 273, Sections 83 and 84:

The Board may hear an appeal from the County Judge in assessment matters where the amount involved exceeds $10,000.00 in a municipality without county organization and $40,000.00 in any other municipality.

"The Grand River Conservation Act"—O.S. 1938, C. 15, Section 15:

The Board is appointed to hear appeals from the findings of the Board of Engineers as to the compensation to be paid to owners for lands expropriated; also appeals from the Board of Engineers as to the amounts to be contributed by the separate municipalities toward the cost of the work.

Assessments, Fixed: O.S. 1942, C. 34, Section 42 (5 and 6):

The Ontario Municipal Board may, upon the application of certain municipalities approve of an agreement between the municipalities and Wartime Housing Ltd., or may amend or vary the agreement for fixing the assessment and taxation of lands and houses erected by Wartime Housing Ltd.

Section 405 of "The Municipal Act" sub-section 1 (b) (as re-enacted by O.S. 1941, C. 35, Section 12 (1):

No fixed assessment shall be granted by any municipality and no By-law shall be passed therefor until approval has been given by the Ontario Municipal Board, and then only after a vote of the ratepayers of the municipality has been taken.

The Beaches and River Beds Act—R.S.O. 1937, C. 34:

Gravel may be taken from shores or streams, if approval therefor is given by the Ontario Municipal Board.

Bridges—R.S.O. 1937, C. 266, Section 480 (9):

The Ontario Municipal Board may grant relief from the rebuilding of a bridge. R.S.O. 1937, C. 266, Section 483:

Provides for the issue of debentures for re-flooring of a bridge, with the approval of the Ontario Municipal Board, without a vote of the ratepayers.

R.S.O. 1937, C. 56, Section 30:

Where there is a disagreement between two or more municipalities in respect to a bridge or highway on a boundary line between Counties, the matter shall be decided by the Ontario Municipal Board.

Busses—R.S.O. 1937, C. 266, s. 424 (4):

The Ontario Municipal Board may from time to time increase or decrease the rates and fares charged once in any one year within a defined area within a Township on the application of the Township in consequence of any deficit or surplus resulting in the operation of the service.

By-laws—R.S.O. 1937, C. 266, Section 560:

A municipality may apply to the Board for approval as to the form of a municipal by-law.

Capital Expenditures—R.S.O. 1937, C. 60, Section 70:

A municipality shall not proceed with or authorize any works or provide any moneys for any undertaking, the cost of which is to be provided for by the issue of debentures, until the approval of the Ontario Municipal Board has been obtained.

Cemeteries—R.S.O. 1937, C. 351, Sections 45 and 46:

A Municipality may, with the approval of the Ontario Municipal Board incorporate additional lands for cemeteries and close road allowances.

Closing of Roads—R.S.O. 1937, C. 56, Section 79:

Subject to the approval of the Ontario Municipal Board, the Department of Highways may close any County, Township or other road which intersects or runs into a Divided Highway.

Detachment of Farm Lands—R.S.O. 1937, C. 266, Section 21:

The Board may hear and determine any application for the detachment of Farm Lands from any municipality.

Dissolution of Corporations—R.S.O. 1937, C. 266, Section 2:

Upon the application of any municipality, the Board may dissolve the municipality after a public hearing.

Extension of Debenture Issue Period Under Money By-law — R.S.O. 1937, C. 266, Section 305 (11 and 12):

The Board may, upon the application of any municipality, extend a debenture issue period.

Extension of Time to Pass Money By-laws—R.S.O. 1937, C. 266, Section 297:

Where a By-law has been passed with the approval of the ratepayers, it must be passed by the Council within six weeks after the voting, but by sub-section (5), the Municipal Board may, upon the application of the Council extend the time for the passing of the By-law.

The Federal District Commission Act—R.S.O. 1937, C. 276, Section 1:

The Councils of Ottawa, Carlton, Russell and any municipality in either of the said Counties, may, with the approval of the Municipal Board, convey to the Federal District Commission any Highway, etc., vested in the municipality upon such terms and subject to such conditions as may be agreed upon.

Fire Halls—Purchase of land for and erection thereof and purchase of Fire Engines by Urban Municipalities: R.S.O. 1937, C. 266, Section 407 (16) (b):

The Board's approval is required to an issue of debentures when debentures issued for the same purpose under a By-law previously passed are outstanding and unpaid.

Floating Indebtedness—R.S.O. 1937, C. 60, Section 59 (d), as re-enacted by O.S. 1939, C. 47, Section 26 (1) and amended by O.S. 1941, C. 40, Section 1:

The Board is given power to allow a municipality to issue debentures to cover a floating indebtedness.

Under the amendment of 1941, it is also provided that a municipality may issue debentures with the approval of the Board, but without the assent of the electors, for retiring debentures which are redeemable before maturity, and raising a sum sufficient to pay off the said debentures.

Franchise, Granting of—R.S.O. 1937, C. 277, Sections 4, 6 and 8:

A franchise for the construction of a railway, or gas, heat, or light, shall not be granted by a municipality without the approval of the Board, after a hearing.

Fuel and Food—R.S.O. 1937, C. 266, Section 405 (38):

By-laws of municipalities may be passed for buying, storing and selling of fuel and food, providing the money therefor, with the approval of the Board.

Highways—

R.S.O. 1937, C. 266, Section 468:

A County may abandon a Highway with the approval of the Board.

R.S.O. 1937, C. 266, Section 348 (12):

The Board may appoint one of three arbitrators for the fixing of compensation payable in respect to street widening.

R.S.O. 1937, C. 266, Section 502 (2):

A Municipality may with the approval of the Board, open or establish a highway of less width than 66'.

R.S.O. 1937, C. 270, Section 12:

In lieu of the approval of the interested municipalities, no highway shall be established, laid out, widened, altered, diverted, stopped up or closed in any urban zone or joint urban zone, without the approval of the Board.

Improvement Districts—Erection of—O.S. 1943, C. 16, Sections 1 and 2.

Increased Borrowings By Municipal Councils—R.S.O. 1937, Chapter 266, Section 339 (2):

Provides with the approval of the Board for an increase in the amount to be borrowed by a Municipal Council in any one year to meet current expenses until taxes are collected.

Incorporation of Towns in Unorganized Territory—R.S.O. 1937, C. 266, Section 18:

Subject to Subsection (2) of Section 13 of the same Act.

Interest Decrease or Increase on Municipal Debentures—R.S.O. 1937, C. 255, Section 310 (as re-enacted by O.S. 1938, C. 22, Section 6):

Provides for a decrease or increase in the rate of interest on any municipal debentures with the Board's approval.

Land Subdivision Plans—R.S.O. 1937, C. 170, Section 85: C. 174, Section 112 and C. 270, as amended by O.S. 1941, C. 55, Section 24:

All Plans of Subdivisions, before registration, must be submitted to and approved by the Board.

License Fee For Bicycles—R.S.O. 1937, C. 266, Section 420 (11) as amended by O.S. 1941, C. 35, Section 15 (2):

The fixing of an annual fee for the operation of bicycles in municipalities by residents thereof must be approved by the Board.

Local Improvements—

R.S.O. 1937, C. 269, Section 8:

Approval of the Board of Construction By-laws for local improvements.

R.S.O. 1937, C. 269, Section 27 (3):

Fixing of the apportionment of the cost by the Board.

R.S.O. 1937, C. 269, Section 29 (3):

Approval by the Board of a By-law for the opening etc., of lanes.

R.S.O. 1937, C. 269, Section 29 (3):

Provides for the hearing by the Board of Claims for exemption from assessment for the opening, etc., of lanes.

R.S.O. 1937, C. 269, Section 19:

Approval of the Board as to the deviation in the course or location of local improvements.

R.S.O. 1937, C. 269, Section 6:

Hearing by the Board of objections against widening or extension of a street, or construction of a bridge.

R.S.O. 1937, C. 269, Section 18:

A portion of the work may be abandoned with the approval of the Board.

R.S.O. 1937, C. 269, Section 10 (2):

Where petitions are filed against a local improvement work, such objections will be considered by the Board.

Ontario Municipalities Fund—R.S.O. 1937, C. 331, as re-enacted by O.S. 1941, C. 35, Section 9:

Disposition of moneys held by a Council in the Ontario Municipalities Fund for educational purposes, with the approval of the Board.

Parks—R.S.O. 1937, C. 285, Section 12:

Approval of By-laws setting aside a part of a Park for athletic purposes.

The Public Utilities Act—R.S.O. 1937, C. 286, Section 32:

Gives power to a municipality, with the approval of the Board, for disposing of properties purchased for the Public Utilities Commission and not required for public utilities.

The Public Health Act—R.S.O. 1937, C. 357, Section 16:

Provides for an application to the Municipal Board for an Order prescribing the manner in which a sewerage project shall be carried on. The Board has power to stop up and close highways, impose such terms and conditions as may seem just and remove restrictions where necessary, and fix compensation to be paid.

Public School Areas—R.S.O. 1937, C. 357, Section 16:

The Board has power to appoint a Referee to fix School Areas, and to adopt his Report respecting adjustment of assets and liabilities of several School Sections involved.

Railways—R.S.O. 1937, C. 259.

Redemption of Debentures—R.S.O. 1937, C. 266, Section 305 (15), (d):

Approval of notice of

Repeal of Money By-laws as to Residue Not Required—R.S.O. 1937, C. 266, Section 311 (2):

Restricted Areas—R.S.O. 1937, C. 266, Section 406 (re-enacted O.S. 1941, C. 35, Section 13):

Approval of By-laws of municipalities prohibiting the use of land and the erection and use of buildings for certain purposes and regulating the cost and the type of construction thereof, which By-laws shall not come into force until approval is granted.

Retirement of Unmatured Debentures—O.S. 1939, C. 47, Section 26, as amended by O.S. 1941, C. 40, Section 1:

This amendment to the Ontario Municipal Board Act, gives the Board power to approve of the issue of debentures, without the assent of the electors, for the retirement of debentures which are redeemable before maturity, and of the issue of debentures to pay for the money required for such purposes.

Sewage and Sewage Disposal Works—R.S.O. 1937, C. 299, Section 101:

Subsection 12 provides for the stopping up of a highway for the purpose of sewage system, with the approval of the Board, upon an application made to it for such purpose, and imposing terms and conditions.

Sinking Funds—

R.S.O. 1937, C. 266, Section 326:

Approval of the Board is necessary to the purchase of debentures by a municipality from its Sinking Fund. The total investment of Sinking Funds of a Municipality in its own debentures is limited to 25% of the total fund.

O.S. 1939, C. 30, Section 18:

Use of surplus in the Sinking Funds, where there is sufficient to take care of all the debentures.

O.S. 1939, C. 30, Section 18:

Authority to a municipality, with the approval of the Board, to dispense with a further levy where the amount in the Sinking Fund is sufficient to take care of the debentures.

Sterling, Issue of Debentures In—R.S.O. 1937, C. 266, Section 306 (3):

Debentures may be issued in sterling with the approval of the Board.

Suburban Area Development Act—R.S.O. 1937, C. 271, Section 6:

Approval of the Board of an agreement with reference to setting up of a Suburban area development.

Supervision of Municipalities—R.S.O. 1937, C. 59.

Tariff of Board's Fees—R.S.O. 1937, C. 60, Section 107; as re-enacted by Section 26 (3), C. 47, O.S. 1939:

The fixing by the Board, with the approval of the Lieutenant-Governor-in-Council, of a tariff of fees to be collected by the Board for the performance of its duties.

Tax Rate—R.S.O. 1937, C. 266, Section 315, Subsection (2):

A Municipality may levy a sum greater than 2½% on the dollar of the assessed value or properties, with the approval of the Board.

This section provides that a Council may not levy more than 2½% on the dollar for municipal purposes.

Telephones—R.S.O. 1937, C, 261:

Provides for the Board's jurisdiction over municipal and other telephones within the province.

Towns Erected Into Cities—R.S.O. 1937, C. 266, Section 19 (amended O.S. 1944, C. 39, Section 2):

The Municipal Board may erect a town having a population of not less than 15,000 into a City and declare the name which it is to bear.

Townships—R.S.O. 1937, C. 266, Section 30:

Separation, by the Municipal Board, of a junior Township in unorganized territory from a union of Townships.

Townships Erected Into Cities—R.S.O. 1937, C. 266, Section 19 (amended O.S. 1944, C. 39, Section 2):

The Municipal Board may erect a township having a population of not less than 25,000 into a City and declare the name which it is to bear.

Townships, Incorporation of—R.S.O. 1937, C. 266 (re-enacted O.S. 1944, C. 39, Section 3).

Townships, Unorganized—R.S.O. 1937, C. 266, Section 426:

Passing of By-laws by the Council of a Township in an unorganized territory, having a population of not less than 5,000 and which has been declared, by the Order of the Municipal Board, to be a Township, and the erection of such Township or part of it into a Town.

Validation of Debenture By-laws—R.S.O. 1937, C. 60, Section 64:

Authority to validate debenture By-laws and to certify the debentures to be issued thereunder; after the issue of the validation Order the By-law is binding upon the Corporation and its validity may not be contested or questioned for any cause whatsoever.

Villages Erected Into Towns—R.S.O. 1937, C. 266, Section 19: (amended O.S. 1944, C. 39, Section 2):

The Municipal Board may erect a village having a population of not less than 2000 into a Town and declare the name which it is to bear.

Villages, Police—R.S.O. 1937, C. 266, Section 527 (4):

Approval by the Board of an extension of the boundaries of Police Villages. R.S.O. 1937, C. 266, Section 526 (3):

Approval of the formation of Police Villages.

Vote of Electors—R.S.O. 1937, C. 60, Section 69 (d):

The Board may, where the assent of the electors qualified to vote on Money By-laws is required, dispense with the vote of the ratepayers after due enquiry, providing that a Public Hearing is held and that all the members of the Board are unanimous in dispensing with such vote.

Wards, Division of Cities, etc., Into—R.S.O. 1937, C. 266, Section 44:

The division of Cities and Towns into Wards, with the approval of the Municipal Board.

Water Rates, Fixing of—O.S. 1940, C. 20, Section 1:

The determination by the Board of the application by any municipality to confirm, vary, or fix rates charged or to be charged in connection with water supplied thereto by any other municipality.

Weigh Scales, and Weighing of Coal—R.S.O. 1937, C. 266, Section 408:

With the approval of the Municipal Board, and within the limitations, restrictions, and under the conditions prescribed by an Order of the Board, By-laws may be passed by municipalities as to the weighing of coal and coke.

Works Ordered by the Dominion Railway Board, and the Ontario Municipal Board—R.S.O. 1937, C. 266, Section 307:

As to borrowing of money by a municipality for works ordered by these two Boards.

In addition there is much legislation which comes before the Private Bills Committee, referring particularly to the municipalities asking for such legislation, in which certain matters are referred to the Board for approval.

ABSTRACT AND SUMMARY

DECISIONS OF THE BOARD

ARBITRATIONS

P.F. B-2099

IN THE MATTER of "The City of Hamilton Act, 1943" (Chapter 42), Section 3, and

IN THE MATTER of an application to this Board for determination of the amount of the assessment on certain lands of T. J. Mahony formerly situate in the Township of Saltfleet and annexed to the City of Hamilton pursuant to Order of this Board dated the 28th day of June, A.D., 1943, and the said Special Act.

T. L. McCombs, Esq., K.C. .... Socilitor for Applicant

A. J. Polson, Esq., K.C. .... Solicitor for Respondent

DECISION OF THE BOARD

This is an application under the provisions of An Act Respecting the City of Hamilton, Section 3, for determining whether the lands in question were at the time of the passing of the Act in 1943 and are now used for agricultural purposes and for fixing the assessment of the said lands.

After the legislation in question was passed, the City Assessor proceeded to assess the lands annexed without any attempt on the part of the City of Hamilton and the parties concerned to agree on an assessment and the applicant, with three other owners, applied to this Board to determine the amount of the assessment of their lands. The hearings were held at Hamilton on the 14th day of September, A.D., 1943, and decision was reserved by the Board. Later, the Board was advised by Mahony's Solicitor that a settlement had been arrived at in the Mahony Appeal.

On January 26th, 1944, the City Solicitor advised that an agreement with Mahony had not been reached, and requested an appointment for a further hearing. An appointment for the hearing was given for the 15th February, 1944.

On the 15th February, 1944, the City Solicitor called no evidence but made certain representations claiming that the applicant's lands were not at the date of the legislation being used for agricultural purposes, and referred to:

Rex v Manitoba Grain Co., Ltd., 1902, 66 D.L.R., 406;

Norris v Hamilton, 1943, O.W.N., 569.

T. J. Mahony was called and said that the lands in question are owned by himself, contain about four-fifths of an acre, and are part of a tract of land annexed to the City of Hamilton by Order No. P.F. B-1411 (P. 713) of this Board. They have a frontage of 300 feet on Parkdale Street, with a dept of 125'. On these lands are constructed a house and garage. They were a part of a forty-one acre farm owned by Mahony, the balance of the lands having been expropriated by Wartime Housing Limited. Before expropriation, there was also a barn on the land, which was taken by Wartime Housing and torn down.

Mahony lives on the land in question and he is the owner of a 4½ acre parcel of land farther down the road. He claims that, on the date of the Order of annexation, and now, the said lands were and are used for agricultural purposes. He says that he cultivates and operates this land intensively for the production of fruits and vegetables and that, last year, when the crops were poor, besides providing for his family use, he sold $150.00 worth of vegetables and fruits off the parcel of land in question. He is a farmer and has farmed all his life. He was a Member of the Legislature for 14 years, has represented the Agricultural Development Board in his County and has been Assessor in his Township for many years. He says that his present occupation is farming the land in question on which he lives, and his other land, and that these lands have always been used for farming purposes and have never been subdivided. The house is frame and was built over sixty years ago at an original cost of $300.00 but additions and many improvements have been added since. In his opinion, $400.00 would be a fair assessment for the land and he would not complain of the assessment of $2230.00 for the buildings.

The Assessor of the City of Hamilton assessed the lands in question as follows:

"T. J. Mahony 300′ x 125′ West side Parkdale Ave. at $8.00 per foot $2400
Buildings .... $2230"

This is a Taxing Statute and should be construed strictly against the Taxing Authority. In Rex v Manitoba Grain Co., referred to by the Respondent, at p. 426 Mr. Justice Dennistoun said:

> "Practical agriculture is an art comprehending all the labours of the field and of the farm yard, such as preparing the land for the reception of the seed or plants, sowing and planting, rearing and gathering the crops, care of fruit trees and domestic animals, disposition of products, etc."

In this case the land is prepared for the reception of seed or plants; it is sown or planted and the crop is cared for and gathered. Today, many farms may be operated without the use of animals. Section 42 of the Assessment Act provides:

> "In a town or village where lands, held and used as farm lands only and in blocks of not less than ten acres by any one person . . ."

The wording of that Section indicates that lands in smaller blocks than ten acres may still be used as farm lands.

Having carefully considered the evidence and representations made, the Board finds that the lands in question were on the 14th April, 1943, and are now used for agricultural purposes and should be assessed as follows:

Land	$ 400.00
Building	$2230.00
Total	$2630.00

As the Assessor for the City of Hamilton assessed these lands and had the owner served with the Notice of Assessment at an amount higher than that found by the Board, and as there had been no attempt to reach an agreement as provided in Section 3 of the Act, the City should repay to Mahony the Board's fee of $25.00 paid by him.

Judgment accordingly.

DATED at Toronto the 17th day of February, A.D., 1944.

R. S. COLTER,
Chairman.
W. P. NEAR,
Vice-Chairman.

P.F. B-2637

IN THE MATTER of "The Niagara Parks Act" (R.S.O. 1937, Chapter 93), and

IN THE MATTER of "The Public Works Act" (R.S.O. 1937, Chapter 54), and

IN THE MATTER of the Claim of Clayton W. Dean for compensation for damages arising out of the expropriation by the Niagara Parks Commission of part of Lot Number 22, in the Township of Niagara, in the County of Lincoln, in the Province of Ontario.

R. K. Ross, Esq., LL.B. .... Solicitor for the Claimant
J. D. Arnup, Esq. .... Solicitor for the Niagara Parks Commission

DECISION OF THE BOARD

This is an arbitration for the determination of the amount of compensation that should be paid to the claimant for lands expropriated by the Niagara Parks Commission. The Plan was filed on March 18, 1943. Notice of expropriation, dated May 5th, 1943, was personally served on May 6th, 1943, and a further Notice, received on

May 6th, 1943, was served by registered letter. The Claim, asking for $25,000.00 damages, dated September 3rd, 1943, was duly served.

The claimant, who is now twenty-nine years of age, decided that he wanted to become a fruit farmer and, after working as a farm labourer on fruit farms and, from October, 1939, to the Spring of 1940, attending the Ontario Agricultural College, where he specialized in Horticulture, and after some time spent in looking for and examining farms, he selected a twenty-five acre farm, being part of Lot 22 and 23 in the Township of Niagara in the County of Lincoln. This farm was situated on the west side of Park Boulevard between Queenston and Niagara-on-the-Lake. Before he purchased, he offered the owner, James M. McFarlane, $3,750.00, providing McFarlane would acquire and convey with the farm a small parcel containing about one-tenth of an acre east of the Boulevard, at that time owned by one, Taggart, a brother-in-law of McFarlane. This parcel had a frontage of 73.3′ on the Boulevard and a depth of 66′ at the south and 84′ at the north and extending to the Chain Reserve. Of this parcel, on the south limit 34′ 9″ to the edge of a steep bank was level land. The bank was very steep. On the 28th February, 1941, the conveyance of the farm and the one-tenth acre were delivered to the claimant. On the 12th day of November, the claimant purchased from the said Taggart another small parcel containing about .24 of an acre adjoining the former small parcel to the north for $200.00. This parcel provided an additional 114′ frontage on the Boulevard. The claimant intended to erect a house on these lands east of the Boulevard, for himself. He did not realize or search to find out what his rights were. Part of this Boulevard was formerly a Township Road taken over by the Parks Commission under authority vested in it by the Provincial Government, and is now a part of the Parks Commission property and subject to the Rules and Regulations passed by the Commission and approved by Order-in-Council. These regulations are in printed form, and the use of the Parks and Driveways are under the control of the Commission. The Commission has purchased lands both east and west for the purpose of widening the driveway. The purchase of a strip 40′ in width along the west side of the Boulevard in 1929, from the former owner of the twenty-five acre parcel owned by the claimant established a joint entrance to that farm at the south limit thereof. No other driveway can be established without the consent of the Commission. The lands of the claimant east of the Boulevard are opposite the northerly part of the claimant's farm and have no established entrance thereto, and an entrance thereto can be established by the claimant only with the consent of the Commission. Owing to the steep bank no structure could be erected east of the bank and, between the bank and the driveway, the claimant's lands have a frontage of 188′ on the driveway, a depth of 34′ 9″ on the south and 88′ 7″ on the north.

Shortly before the 22nd December, 1942, the General Manager, after consultation with Members of the Parks Board, sent R. C. Young, a Real Estate Agent in Niagara Falls, to the claimant to purchase the lands in question for the Commission. He offered the claimant $1,050.00, $50.00 of which was to be retained by Young as his commission. The claimant asked that the offer be put in writing and an offer to purchase (Exhibit 2), dated 22nd December, 1942, enclosing a cheque for $100.00, was sent to claimant. The claimant consulted with his father and one, R. M. McDougall, and Mr. McDougall wrote to Mr. Young (Exhibit 3), placing five conditions on the sale. The Commission was not prepared to purchase the lands subject to those conditions and, after some correspondence, during which time the General Manager of the Parks Board visited and consulted with the claimant's father and Mr. McDougall, the property was expropriated.

On May 28th, 1944, realizing that expropriation proceedings would be costly, Mr. Gray, the General Manager, made an offer of $1,250.00 for the property. This was not accepted and, at the hearing, the Commission's counsel notified the Board and the claimant that the offer was withdrawn. The hearing then proceeded.

In his evidence the claimant explained that he purchased the farm which was in a run-down condition with the expectation of building it up into a production fruit farm and that he had purchased the land east of the Boulevard for the purpose of erecting thereon a home. He called attention to the fact that he was a young man with every chance to build up and make his farm prosperous, and said that the land expropriated was an ideal location for his home. But he did not place a value on these lands, or in any way place a money value on the loss sustained by the taking. One member of the Board, at the close of his evidence in chief, called his Counsel's attention to this and pointed out that the Board must find on the evidence submitted. His father was then called and he claimed the son's loss was $25,000.00 but would not break this sum down in any way.

Robert McDougall, called by the claimant, was not of much assistance to the Board. He had formerly been employed by the Ontario Agricultural Development

Board. He obtained a list of farms that might be purchased, from that Board, and made other inquiries for the claimant. He searched the title for the claimant and knew that there were restrictions as to ingress and egress but thought that, through the ownership of the lands east of the Boulevard, claimant might be in a better position to obtain some privileges, especially with reference to a water pipeline to the farm from a boathouse at the river.

For the Respondent, Max. T. Gray, the General Manager of the Park, told of his interview with claimant's father and McDougall and that he told them the conveyance could not be taken subject to reservations, that other entrances or boat houses would not be allowed, but that an application might be made for a water-pipeline and that such an application had never been refused.

Nelson McCartney, the Field and Office Engineer, for the Commission, described the property in question and other purchases by the Commission.

Robert C. Young said that he first offered $800.00 and then $1,000.00 for the property and described other purchases made by him for the Commission. In considering purchases made before and after this expropriation, he was of the opinion that the value of the land in question was about $600.00 to the claimant, but that he had offered $1,000.00 to avoid the expense of arbitration proceedings; that the parcel was small, and only a small house could be erected thereon; that being land-locked and the difficulty of obtaining an entrance greatly affected and lowered the value of the property.

Howard E. Rose, a Realtor who has had a wide experience especially in the Niagara Peninsula, stated that $200.00 per acre was a fair value for farm lands along the Niagara River. He valued the land in question, considering its shape and location, to the claimant, at $500.00 and no more.

Mr. Arnup, for the Respondent, filed with the Board the Deeds showing all purchases of land along the Boulevard and filed a list of the purchases with Compensation figures, showing that the highest price paid was $1,950.00 per acre and the lowest price $150.00 per acre. It would be unfair to the claimant to take these figures as a basis for a finding by this Board, as some of the prices mentioned included buildings; some of the properties had valuable trees; some were better and some were poorer shapes and locations.

The claimant paid Taggart $200.00 for .24 acres of the property in question after pressing Taggart for some time to sell to him. This property was a better size and shape than the balance of the claimant's property east of the road. The balance was purchased with the farm, and the obtaining of it did not increase the price paid by the claimant. There could be an entrance to it constructed only with the consent of the Commission. It is not opposite the entrance to the farm. It is some distance from town, but claimant explained he could have erected his garage on the farm proper. This would be inconvenient. He could not park his car, nor could his friends, on the Boulevard.

The only evidence of the value of this land before the Board is:

1. The price paid by the claimant to Taggart—$200.00 for .24 acre. This was the price paid by a man anxious to purchase to a man not anxious but willing to sell. The total land taken by the Commission contained about one-third acre.

2. Evidence of sales in the vicinity which are not very satisfactory.

3. Evidence of Young and Rose, fixing the value at $600.00 and $500.00, respectively.

4. Evidence re offers made by Young. He says these offers were made in order to save the costs of expropriation and arbitration.

The Board does not consider the claim of $25,000.00 as any evidence of value.

As fruit farm land, the property taken is of slight value. For the owner of a farm purchased for $3,750.00 to consider erecting his residence on land worth more than $500.00 or $600.00 would not be good business. The land should not cost more than 10% of the value of the building. The claimant is not intending to be a Gentleman Farmer, one who makes his money in the City and spends it on his farm. He wants to make the farm a place on which he can make a living.

The Board must determine the value of this land to the claimant with all its existing advantages and all its possibilities. Its existing advantage and possibility is as a site for the erection of a dwelling to serve the owner of the farm across the Boulevard. The claimant does not say that to be forced to erect his building on the farm itself would detract from the value of the farm. In fact, it appears to this Board a residence on the west side would be greatly more convenient for the owner. The claimant spoke of the view of the river from this site In viewing the property, the Board could not see that the view of the river to be obtained from this site added much value to it.

Having considered all the evidence produced, the Board allows the claimant the sum of Eight Hundred Dollars ($800.00) in full for the value of the land expropriated with all its existing advantages and all its possibilities, including forcible taking.

The Respondent shall pay to the Claimant 5% per annum on the said $800.00 from date of expropriation to date of payment.

The Respondent shall pay the Board's fee of $75.00. Otherwise, there shall be no costs to either party.

Dated at Toronto this Nineteenth day of September, A.D., 1944.

R. S. COLTER,
Chairman.
W. P. NEAR,
Vice-Chairman.

P.F. B-2328

IN THE MATTER of the application of the Corporation of the Township of North York for an Order determining the amount of fees payable for the approval of Plans under "The Planning and Development Act" (R. S. O. 1937, Chapter 270), and Amendments thereto.

C. Frank Moore, Esq., K.C. .... Solicitor for Applicant

Melville Grant, Esq. .... Solicitor for Forest Hill, Long Branch and Vaughan

C. M. Ricketts, Esq. .... Solicitor for Colonel Robins

A. M. Charlesworth .... Solicitor for the Corporation of the City of Toronto

DECISION OF THE BOARD

THIS IS AN APPLICATION by the Township of North York for the determination by the Board of:

(1) the amount of fees payable to the Township for its approval of Plans 3131 and 3141;

(2) the basis of such charges; and

(3) the meaning of the words "per foot frontage for all land surveyed and subdivided by such plans and fronting upon any highway, &c.

One, Ernest N. Preston, submitted two plans to the Township for approval. Plan numbered 3131 is located on the East side of Lillian Street and is subdivided into 16 lots, 8 on each side of a street laid out and known as McKee Blvd. Between lots 6 and 7 and 10 and 11 is located a street known as Wilfred Street. The lots have a frontage or flankage of 930 feet, 10 inches, on Lillian Street and 928 feet, 6½ inches on the east side of Wilfred Street and 928 feet, 7 inches on the west side of Wilfred Street. The Township charged 3 cents per foot for 1699 feet, 7 inches on McKee Blvd. and 2787 feet, 11½ inches on Lillian and Wilfred Streets. All lots are numbered on McKee Blvd. Preston claims that he should not be charged for the 2787 feet, 11½ inches on Lillian and Wilfred Streets on the ground that this is flankage. On this plan he paid $134.61 and asks for the return to him of $83.63.

A similar principle has been followed in making charges for Plan No. 3141, when the Township charged $254.25, being $114.45 for the frontage on McKee Blvd. and Bayview Ave., on which streets the lots are numbered, and $139.80 for frontage on

Highgate, Estelle and McKee Streets, which are the sidelines or flankages of the lots. Mr. Preston paid the sum of $254.25 and asks for the return of $139.80.

Subsections (7) and (8) of Section 5 of the Act provide as follows:

> "(7) Any person surveying and subdividing into lots any land situated within the boundaries of any city, town or village or of any township within an urban zone shall pay to the treasurer of such city, town or village or of such township at the time of the application for the approval of the council thereof a fee of three cents per foot frontage for all land surveyed and subdivided by such plan and fronting upon any highway already existing or laid out upon such plan, and the council may withhold its approval of such plan until payment of the proper fees payable hereunder. R.S.O. 1927, c. 236, s. 5 (6); 1933, c. 46, s. 2.
>
> (8) In the event of any dispute as to the amount of fees payable under subsection (7), the same shall be referred to the Board, whose determination with relation thereto shall be final and binding. R.S.O. 1927, c. 236, s. 5 (7)."

Is this a dispute as to the amount of fees payable under Subsection 7. If "frontage for all land surveyed and subdivided by such plan" means, as contended by the applicant, all land which abuts on any highway, surely the amount payable would not be submitted to this Board as it would be only a question of multiplication; therefore, when the legislation was enacted, it must have been contemplated by the Legislature that there might be disputes as to what is "frontage for all land surveyed and subdivided by such plan and fronting upon any highway already existing or laid out upon such plan." The Board is of opinion that this application is one contemplated by the Legislature when the legislation was enacted. There is no definition of frontage given in the Act.

During the course of the argument, the Board was referred to the method of assessment provided for in the Local Improvement Act (R.S.O. 1937, Cap. 269). An entirely different wording of the method for charging the cost is provided in that Act. Section 20 provides:

> "(1) Except as in this Act is otherwise expressly provided, the entire cost of a work undertaken shall be specially assessed upon the lots abutting directly on the work, according to the extent of their relative frontages thereon, by an equal special rate per foot of such frontage sufficient to defray such cost."

Section 25:

> "Where the work undertaken is the resurfacing of a pavement as provided by clause (p) of subsection (1) of section 2 the corporation shall assume and pay the special assessments therefor charged against the lots fronting or abutting on the work until the expiration of the period within which such lots are specially assessed for the then existing pavement. R.S.O. 1927, c. 235, s. 25."

Section 28, subsection (1):

> "In the case of corner lots and triangular or irregularly shaped lots situate at the junction or intersection of streets a reduction shall be made in the special assessment which otherwise would be chargeable thereon sufficient, having regard to the situation, value and superficial area of such lots as compared with the other lots, to adjust the assessment on a fair and equitable basis.
>
> Subsection (3): The reduction shall be made by deducting from the total frontage of the lot liable to the special assessment so much thereof as is sufficient to make the proper reduction, but the whole of the lot shall be charged with the special assessment as so reduced."

Section 30:

> "(1) Subject to the provisions of subsection (2), where the work undertaken is a sidewalk or curbing or a sewer or watermain constructed on one side of a street to serve only the lots on that side, only the land abutting on that side of the street upon which the work is constructed shall be specially assessed.
>
> (2) On petition (sufficiently signed) of the owners on both sides of a street in a township praying that a sidewalk be constructed on one side only of the

> street and that a certain portion not exceeding one-third of the owners' share of the cost be assessed on the lots fronting or abutting on the other side of the street the council may specially assess the lands on the other side of the street in conformity with the petition and if a sidewalk is thereafter constructed on the other side of the street the owners' portion of the cost shall be specially assessed in like manner. R.S.O. 1927, c. 235, s. 28."

It must be noted that in that Act the words "fronting or abutting", "frontage" or "abutting" are used in every case, so that not much assistance can be derived from that Act.

The meaning of the word "fronting" has been very fully discussed in cases to which the Board has been referred.

In City of Toronto vs. Schultz (1911), 19 O.W.R., 1013, the City of Toronto had passed a By-law under the authority of the powers given to it by the Consolidated Municipal Act, 1903, as amended by IV Edward VII, 1904, Chapter 22, Section 19, which provides:

> "541 (a) The Councils of Cities .... are authorized and empowered .... to pass and enforce such By-laws as they may deem expedient.
>
> (b) to regulate and limit the distance from the line of the street in front thereof at which buildings on residential streets may be built."

The By-law provided:

> "(1) No building shall hereafter be built or erected on the lots fronting or abutting on each side of Spadina Road, Walmer Road .... between Bloor Street and Bernard Avenue, with a distance of 25 feet from the east and west lines of each of the said streets, respectively."

One, Shultz, applied for a declaration that he is entitled to be granted a permit to erect a building on the North-West corner of Bloor Street and Spadina Road and for a Mandatory Injunction for the issue of such Permit. It was held by Falconbridge, Chief Justice, that the restriction did not apply to the building which Schultz proposed to erect fronting on Bloor Street at the corner of Spadina Road.

The construction of the word "fronting" again came up in the case of Dinnick vs McCallum, 26 Ontario Law Reports, at page 551. This was a Motion by one, Dinnick, for a Mandamus directed to the Corporation of the City of Toronto and the City Architect to issue a Permit for the erection of an apartment house on the North-East corner of Avenue Road and St. Clair Avenue in the City of Toronto. The permit was refused on the ground that a By-law, No. 5891, of the City of Toronto provides:

> "No building shall hereafter be built or erected on the lots fronting or abutting on both sides of Avenue Road from St. Clair Ave. to Lonsdale Road within a distance of 40′ from the east and west lines of the said road."

The Motion was heard by Mr. Justice Riddell in Chambers when he expressed the opinion that he would dismiss the Motion but for the decision of the Chief Justice of the King's Bench in the City of Toronto in re Schultz above referred to, and he referred the matter to a Divisional Court. The Motion was heard by a Divisional Court composed of Britton, Teetzel and Kelly, J.J.'s, on the 15th May, 1912, when it was held:

(1) that the City had no power to insert the words "or abutting" in the by-law;

(2) By Teetzel and Kelly, J.J.'s, that the lot fronted on Avenue Road, as well as on St. Clair Avenue and that the application should be dismissed. Mr. Justice Britton, dissenting, held that the building was a building to be erected on a lot fronting on St. Clair Avenue and that, in his opinion, an Order for a Mandamus should go.

This case was further appealed to the Court of Appeal and was heard on the 25th day of November, A.D., 1912 (28 Ontario Law Reports, page 52). The Judgment of the Divisional Court was reversed. The Judgment of the Court of Appeal was delivered by Meredith, J.A., who said:

> "If the land in question were sold, as such land nearly always is, at so much a foot 'frontage,' would any one dream of measuring all the 'four fronts' of the lot to make up the price, or of charging more than for the width of the lot on St. Clair Avenue.

In the argument here it was assumed throughout on all sides that the land in question is a lot on St. Clair avenue, and not, except as to one of its side-lines on Avenue road; and, if so, how can it be within the by-law except under the word 'abutting', which the legislation does not authorize? It would seem, from the adding of that word, that the municipal council saw that the Act does not include such lots as that in question, and sought in the by-law to extend its effect.

Much of this view of frontage can be easily learned from a perusal of the statutes of the Province, especially the Surveys Act; which are much more helpful to me than a case decided in another country, under very different circumstances, involving a different question; indeed, it may possibly be that, if the question in this case with all its differences of circumstances, were, whether the owner of a building upon the lot in question could be taxed for a sidewalk in front and at the side of his property, the benefit of which he had, equally, in connection with that property, the meaning of the words 'in front' might be stretched to include the sidewalk on both sides; but I must say that I would not care to be the first to take such liberty with the words. In that case—Justices of Bedfordshire v. Commissioners for the Improvement of Bedford (1852), 7 Ex. 656—it was said that in England the words 'in front', as used in the enactment there in question, were ambiguous; here, under the Surveys Act, and the thoroughly understood meaning of the words 'front', 'rear' and 'side-lines' of almost all lots of land, it could never be well said that there was any ambiguity in any one of these words as applied to lots of land; in that case, under its special circumstances, the word 'fronting' seems to have been treated as if having the same meaning as abutting, which, of course, could not be here; land abuts upon all adjoining land, whether in front, at the rear, or at the side, but almost invariably here fronts upon one highway; and residential buildings, as a rule, are altogether within the limits of the lot and do not abut upon other lands at all; though, of course, buildings often abut upon one or two highways, and in some cases upon the surrounding lands on all sides.

If the by-law followed the statute, this case would not be within it, because the proposed building is not to front on Avenue Road, but is to front on St. Clair Avenue, and so could be affected only by a by-law respecting that highway; and, in my opinion, the street in front of a building is, under this enactment, the one really in front of it, not another at the side, which no one would ever think of describing as in front of it."

The question again was raised in Orpen vs. Roberts, 26 O.W.N., page 367, where it was held:

> "Lot 84 is bounded upon the south by Carlton Street but it is not on and does not front on Carlton Street and Carlton Street is not in front of it within the meaning of the Municipal Act. It is known and described as Lot 84 according to Registered Plan D30, on the east side of Homewood Avenue."

Under the circumstances the Board finds that the "per foot frontage for all lots surveyed and subdivided by such Plans and fronting upon any highway" means the frontage of the lots numbered on such highway and has no reference to the side lines of lots which may abut upon a highway.

Judgment accordingly.

The Board directs that its fee herein of $25.00 be payable by the applicant, the Township of North York.

Dated at Toronto the 26th day of January, A.D., 1944.

R. S. COLTER,
Chairman.

W. P. NEAR,
Vice-Chairman.

APPROVAL OF CONSTRUCTION OF A LOCAL IMPROVEMENT WORK AND OF THE CAPITAL EXPENDITURE INVOLVED THEREIN

P.F. B-2323

IN THE MATTER of Section 8 of "The Local Improvement Act" (R.S.O. 1937, Chapter 269).

AND IN THE MATTER of Section 70 of "The Ontario Municipal Board Act" (R.S.O. 1937, Chapter 60), and

IN THE MATTER of the application of the Village of Swansea for approval of the purchase from the City of Toronto of a 12 inch watermain now in place on Ellis Avenue from Morningside Avenue to the South Village Limit and to construct hydrants, stop-cocks, valves, appliances and accessories therefor as a Local Improvement in accordance with its Council's Notice of Intention first published the 21st day of October, 1943, and of the capital expenditure of $11,500.00 involved therein and of the passing of a By-law or By-laws therefor.

J. J. Addy, Esq.	Solicitor for Applicant
J. M. Bullen, Esq.	Solicitor for interested property owners on Ellis Ave.

DECISION OF THE BOARD

This is an application by the Village of Swansea under Section 70 of the Ontario Municipal Board Act and under Section 8 of the Local Improvement Act for approval of the purchase from the City of Toronto of 12 inch watermain now in place on Ellis Avenue from Morningside Avenue to the South Village limit and to construct hydrants, stop-cocks, valves, appliances and accessories therefor, involving a capital expenditure of $11,500.00.

A deputation of property owners appeared before the Municipal Council of Swansea objecting to the proceeding with this work and Mr. N. L. Ivey, Clerk of Swansea, so advised the Board and requested an appointment for hearing before the Board.

Accordingly appointment was given and the matter came on for hearing before the Board on Monday, December 20th, 1943, at 10:00 o'clock, a.m.

Mr. J. J. Addy, Solicitor for the Village of Swansea, represented the Village.

Mr. J. M. Bullen represented the residents on Ellis Avenue affected by the By-law.

Mr. Addy made the following statement in explanation:

When the Village of Swansea incorporated from York Township in 1926, the Village continued to take water through the Township agreement and facilities.

The main in question on Ellis Avenue was and is a City of Toronto Main. When Toronto Junction was a separate municipality, it had its own intake from the Lake near the foot of Ellis Avenue and had built and used the Ellis Avenue Main as a force main to feed their waterworks system. Ellis Avenue from the South Village limit to Morningside at that time was a private road and the remainder of the route northerly from Morningside to the limits of Toronto Junction was by way of existing streets.

At the time of construction of this force main, arrangements were made between Mr. Ellis, owner of the property through which the private road ran, and Toronto Junction to sell water to occupants of Ellis lands at Toronto Junction rates.

Later Toronto Junction was annexed to the City of Toronto, the pumping plant of the Toronto Junction system was done away with and this Ellis Avenue main was connected to the City of Toronto System and became the property of the City of Toronto. The City of Toronto has continued to supply water to these Ellis Avenue residents at Toronto rates.

Mr. Addy referred to York Township Act of 1925, Chapter 121, Section 8, which gave the right to the Township to acquire from the City of Toronto that portion of this 12 inch watermain on Runnymede Road, De Forest Road, Kennedy Avenue and Ellis Avenue from the city limits southerly to the south limit of the Township of York.

This Act was amended in 1927 by Chapter 136, Section 10, which gave the right to the Township with the consent of the City of Toronto to acquire from the City either one of two portions of this main.

The first portion was on Runnymede Road, De Forest Road, Kennedy Ave., Morningside Ave., and Ellis Ave., from the City limits south of Bloor St. southerly to the south limit of the Township of York (same section as described in Chapter 121 above) or that part thereof from the said City limits south of Bloor southerly to the intersection of the south limit of Morningside Ave. with Ellis Ave., together with all service pipes, hydrants and stopcocks, valves, appliances and accessories, etc., and the Township could construct such hydrants, stopcocks, valves, appliances and accessories as may be deemed necessary to complete the same as part of the Township System; and for the purpose of providing money to pay the purchase price of such watermain and hydrants, etc., and for payment of cost of construction of other accessories the work shall be deemed to be a work undertaken and constructed under the provisions of Section 9 of the Local Improvement Act subject, however, to any existing rights of the residents of Ellis Ave. as to the supply to them of water and the rates to be charged therefor.

Said amendment to be in force as of April 14th, 1925.

Village of Swansea was incorporated in 1926 and assumed all the powers conferred upon the Township of York.

In 1929 Swansea purchased the northerly section from Morningside to Bloor under the Township legislation above referred to and assessed the cost as a Local Improvement.

Mr. Addy cites Grenadier Heights and Woodland Heights as two subdivisions in the Ellis property that are paying for their watermains as local improvements and water rates as well.

Mr. J. M. Bullen appeared on behalf of all residents on Ellis Avenue affected and asked that the rights of the Ellis property be maintained. A copy of letter from Ellis to Venables (Engineer for Toronto Junction) of October 19th, 1888, and town's acceptance was filed but the agreement between the Town of Toronto Junction and Ellis was not produced. Toronto Junction or West Toronto was annexed to the City of Toronto in 1909, Chapter 125.

City of Toronto and Township of York entered into an agreement re water supply validated by an Act in 1916, Chapter 100.

Mr. Bullen questions where Swansea derives the powers granted the Township of York. If the incorporation of Swansea in 1926 gives Swansea the rights of the Township, Ellis Avenue residents have continued to get city water at city rates. He states that the Village acquired the northerly section of this watermain where the streets had already been established prior to its construction but argues that Ellis Avenue southerly from Morningside has had a different status. He states that residents served by this main north of Morningside had been charged double water rates prior to the acquisition of this section by the Village and its cost assessed as a Local Improvement.

The Board finds:

(1) That the Village of Swansea has in the past adopted the procedure of constructing watermains and assessing their cost as a Local Improvement and that there is no real objection to the same procedure being followed in the case of Ellis Avenue.

(2) The Board makes no finding as to the rights of the property owners on Ellis Avenue to continue to purchase water at city rates. The enforcement of such an agreement must lie with the Courts.

(3) The Board assumes that the price paid to the City of Toronto for the existing main is a reasonable one and that the costs of hydrants, accessories, etc., are proper and at any rate, any objection to the cost of the work or to the details of its assessment as a Local Improvement must be taken to the Court of Revision, etc., as provided by the Local Improvement Act.

(4) The Board makes no finding as to whether Swansea has succeeded to all the rights of the Township of York under its agreement with the City of Toronto. If this right is to be contested, it lies with the proper Court to hear the evidence and decide.

The Board approves of the construction as a Local Improvement under Section 8 of the Local Improvement Act of the watermain on Ellis Avenue from Morningside Avenue to the South Village Limit involving the purchase from the City of Toronto of the existing twelve-inch main and the construction of hydrants, stop-cocks, valves, appliances and accessories at an estimated cost of $11,500.00 and the passing of requisite by-laws therefor.

The Board also approves the application of Swansea under Section 70 of The Ontario Municipal Board Act for the capital expenditure of $11,500.00 and the issue of ten-year debentures therefor and the passing of the necessary by-laws.

Dated at Toronto the 1st day of February, A.D., 1944.

R. S. COLTER,
Chairman.

W. P. NEAR,
Vice-Chairman.

ASSESSMENT APPEALS

P.F. B-2526 and
P.F. B-2527

IN THE MATTER of Section 84 of "The Assessment Act" (R.S.O. 1937, Chapter 272).

BETWEEN:

THE CORPORATION OF THE CITY OF WINDSOR
Appellant

—and—

HIRAM WALKER-GOODERHAM & WORTS, LIMITED,

and

SUBSIDIARIES HOLDING COMPANY, LIMITED,
Respondents

(Appeal from Decision of His Honour the County Judge, County of Essex, respecting corporation income assessment made by the City of Windsor for the years 1941, 1942 and 1943.)

COUNSEL:

Lorne R. Cumming .... for Appellant

C. F. H. Carson, K.C.,
and
Paul J. G. Kidd .... for Respondents

DECISION OF THE BOARD

This is an appeal by the Corporation of the City of Windsor from the decision of His Honour J. J. Coughlin, Senior Judge of the County Court of the County of Essex, allowing an appeal by the Respondents from the decision of the Court of Revision, which confirmed the Income Assessment of the Respondents.

The Corporation of the City of Windsor used a combined Assessment and Collector's Roll. Prior to 1943, Corporation Income Assessments on income received during the previous year were entered in a special section of this Roll. No By-law had been passed under the provisions of Section 123. The Respondents had not been assessed for Income in the years 1942 and 1941.

On the 20th July, 1943, By-law No. 425 was passed, in pursuance of Sec. 123 of the Assessment Act, and the Respondents made their returns, and the assessments were made.

Under the provisions of Sec. 57, subsection (2) of the Assessment Act, the Clerk entered the income assessment of the Respondents for the years 1942 and 1941 on the Roll for 1943, the income assessment of the Respondents for the years 1942 and 1941 on the roll for 1942, and the income assessment of the Respondents for the year 1941 on the roll for 1941.

Notices of the assessment for the years 1943, 1942 and 1941 were sent to the Respondents in due course.

The Respondents appealed to the Court of Revision, which confirmed the assessment. They then appealed to the County Judge, who allowed the appeal. The Appellant herein then appealed to this Board and an appointment for the hearing of the appeal on the 29th day of May, A.D., 1944, was given.

On the opening of the hearing, Mr. Carson for the Respondent moved for a declaration that the Board was without jurisdiction to hear the appeal on the grounds that:

1. That there is no appeal from the decision of the County Court Judge under the provisions of either Sec. 57 or Sec. 123.

2. That the assessments for 1942 and 1941 were illegal because they were made without a By-law having been passed in those years under the provisions of Sec. 123.

3. That subsection (12) of Sec. 123 is the governing Section and that Sec. 123 provides only as to income received during the year in which the By-law is passed.

Section 9 of the Assessment Act provides:

"(1) Subject to the exemptions provided for in Sections 4 and 8—

(a) every corporation not liable to business assessment under section 8 shall be assessed in respect of income;

(b) every corporation although liable to business assessment under section 8 shall also be assessed in respect of any income not derived from the business in respect of which it is assessable under that section.

(2) The income to be assessed shall be the income received during the year ending on 31st day of December then last past. R.S.O. 1937, C.272, S.9."

Section 57 provides:

"(1) ……………………………

"(2) If at any time it appears to any officer of the municipality that any income or business assessment has been omitted from the assessment roll for the current year or for either or both of the next two preceding years, he shall report the same to the clerk of the municipality, or if the omission to assess comes to the knowledge of the clerk in any other manner, and the clerk shall enter such income or business assessment on the assessment roll from which such assessment has been omitted, and as well for the preceding year as for the current year, on the collector's roll for the current year, but in respect to any assessment for a preceding year or years the taxes payable in respect thereto shall be calculated at the rates of taxation levied for such year or years.

"(3) Where the clerk performs any of the duties required by this section he shall forthwith thereafter deliver to or send by registered letter post to the person so taxed a notice setting out the amount of the assessment and of the taxes entered on the roll, and such person shall have the right to appeal within ten days thereafter to the court of revision, and an appeal may also be had to the county judge by such person or by the municipality from any decision of the court of revision. R.S.O. 1937, C.272, S.57."

Section 123 provides:

"(1) The council of any local municipality instead of making an assessment of income as hereinbefore in this Act provided, may pass by-laws requiring every person liable to assessment in respect of income to furnish to the assessment commissioner or assessor within the time fixed by the by-law a statutory declaration according to the form referred to in sub-section 2 of section 17, showing the income received during the year ending on the 31st day of December then last past, and providing for the entry of the names of all such persons, whether or not they have furnished such declaration to the assessment commissioner or assessor, and the amount of the taxable income of each such person in a special roll of taxable income, and for levying upon the said taxable income according to such roll the rate in subsection 2 set forth, and for providing for payment of the rate so levied either in bulk or in instalments at such time or times as may be fixed by the by-law.

"(2) ……………………………
"(3) ……………………………
"(4) ……………………………
"(5) ……………………………
"(6) ……………………………
"(7) ……………………………

"(8) A person whose name is entered in the special roll of taxable income shall not be entitled to notice of such entry, but, upon receipt from the collector of demand for payment of the said rate upon the amount for which he is taxable according to said roll, shall have in respect thereto the right of appeal provided in this Act in the case of assessments, but no such appeal shall relieve him from payment of any additional charge imposed for non-payment upon the date or dates fixed by the by-law of the said rate upon his taxable income as it may be fixed after such appeal.

"(9) ....

"(10) The aggregate amount shown in the special roll of taxable income as the same may be altered after appeal to the court of revision and the county court judge, shall be added to and form part of the revised assessment roll for all purposes.

"(11) ....

"(12) Income received in the year in which a by-law is passed under subsection 1 for the purpose of bringing the provisions of this section into effect shall be subject to the provisions of this section and of such by-law, notwithstanding that such income or any part thereof may have been received before the provisions of this section take effect."

This Section was first provided for by the Assessment Amendment Act, 24 Geo. V (1934), Cap. 1, as Section 120a. Subsection (8) provided:

"(8) A person whose name is entered in the special roll of taxable income shall not be entitled to notice of such entry, but, upon receipt from the collector of demand for payment of the said rate upon the amount for which he is taxable according to said roll, shall have in respect thereto the right of appeal provided in this Act in the case of assessments, but no such appeal shall relieve him from payment of any additional charge imposed for non-payment upon the date or dates fixed by the by-law of the said rate upon his taxable income as it may be fixed after such appeal, **and no appeal shall lie from the decision of the county court judge on any such appeal."**

This Section was carried into the 1937 Revision of the Statutes as Section 123, without amendment.

The Assessment Amendment Act, 1939, 3 Geo. VI, Cap. 3, Sec. 8, provided for the striking out of the words: **"and no appeal shall lie from the decision of the county court judge on any such appeal"** in subsection (8).

Section 73 provides:

"(1) Any person complaining of an error or omission in regard to himself, as having been wrongly inserted in or omitted from the roll, or as having been undercharged or overcharged by the assessor in the roll may personally, or by his agent give notice in writing to the clerk of the municipality (or to the assessment commissioner, if any), that he considers himself aggrieved for any or all of the causes aforesaid, and shall give a name and address where notices can be served by the clerk as hereinafter provided.

"(2) ....

"(3) If a person assessed thinks that any person has been assessed too low or too high, or has been wrongly inserted in or omitted from the roll, he may within the time limited by subsection 2, give notice in writing to the clerk of the municipality or to the assessment commissioner, if any, and the clerk shall give notice to such person and to the assessor, of the time when the matter will be tried by the court of revision; and the matter shall be decided in the same manner as complaints by a person assessed with regard to his own assessment."

The balance of this Section does not apply on the appeal except:

"(21) Subject to the provisions of sections 59 to 63 and to the provisions of any special Act affecting any particular municipality, all the duties of the court of revision, which relate to the matters aforesaid, shall be completed and the rolls finally revised by the court, before the 1st day of July in every year."

Section 76 provides:

"(1) An appeal to the county judge shall lie, at the instance of the municipal corporation, or at the instance of the assessor, or assessment commissioner, or at the instance of any person assessed or of any municipal elector of the municipality not only against a decision of the court of revision on an appeal to the said court, but also against any omission, neglect or refusal of the said court to hear or decide an appeal."

The balance of this Section is not copied.

Section 78 provides:

"(1) In all proceedings before the county judge, or acting judge of the court, under or for the purposes of this Act, such judge shall possess all such powers for compelling the attendance of, and for the examination on oath of all parties, whether claiming or objecting or objected to, and of all other persons whatsoever, and for the production of books, papers, rolls and documents, and for the enforcement of his orders, decisions and judgments, as belong to or might be exercised by him in the county court."

Section 83 provides:

"The decision and judgment of the judge or acting judge shall be final and conclusive in every case adjudicated upon, except that in the case of the assessment of a telephone company an appeal shall lie from such decision and judgment to the Ontario Municipal Board, and the procedure upon such appeal shall be the same as upon an appeal under Section 84. R.S.O. 1937, c.272, s.83."

Section 84 provides:

"(1) Where a person is assessed to an amount aggregating in a municipality in territory without county organization $10,000 or upwards and in any other municipality $40,000 or upwards, an appeal shall lie from the decision of the judge to the Ontario Municipal Board, and any person who had appealed or was entitled to appeal from the court of revision to the judge or the municipal corporation, shall be entitled to make the appeal to the Board.

"(2) An appeal to the Board shall also lie where the amount though originally less than the sum mentioned in subsection 1 has been increased by the court of revision or by the judge so that it equals or exceeds that sum.

"(3) The clerk of the municipality shall forthwith by registered post notify the secretary of such Board of all notices of appeals coming within the provisions of this section, which are from time to time served upon him, and the secretary shall arrange a day for the hearing of such appeals, and shall notify the clerk thereof, and the clerk shall immediately by registered post notify the persons appealing.

"(4) Sections 76 to 83 and sections 85 and 86 shall apply to all appeals taken under subsection 1 or 2, provided that the written notice of the intention to appeal to the Board may be served upon the clerk of the municipality, or upon the assessment commissioner if there is one, at any time within twenty-one days after the delivery by the county judge of his decision in open court, and, where judgment has been reserved by the county judge, then within twenty-one days after the clerk shall by registered post have notified the appellant or his agent of the decision of the county judge, and such Board shall have the powers and duties which by the said sections are assigned to a judge of the county court.

"(5) The Board shall have power upon such appeal to decide not only as to the amount at which the property in question shall be assessed, but also all questions as to whether any persons or things are liable to assessment or exempt from assessment under the provisions of this Act.

"(6) An appeal shall lie from the decision of the Board under this section to the Court of Appeal upon all questions of law or the construction of a statute, a municipal by-law, any agreement in writing to which the municipality concerned is a party, or any order of the Board.

> "(7) The practice and procedure on the appeal to the Court of Appeal shall be the same mutatis mutandis subject to any rule of court or regulation of the Board as upon an appeal from a county court. R.S.O. 1937, c.272, s.84."

Mr. Carson contends that Sec. 84 does not apply in assessments made under the provisions of Sections 57 and 123, and relies on the decision in Blackburn v. City of Ottawa, 58 O.L.R., p.494. In that case the Corporation appealed from the Order of the Ontario Municipal Board, allowing the appeal from the decision of His Honour Judge O'Brien allowing an appeal from the decision of the Court of Revision, confirming an entry upon the Assessment Roll made in 1920 as a basis for taxation in 1921 of certain income, under the provisions of Sec. 54, subsection (2) of the Assessment Act which provided:

> "(2) If at any time during the year in which an assessment has been made and taxes levied on that assessment in the same year or, if at any time during the year in which an assessment has been adopted under the provisions of sections 56 or 57, it appears to any assessor or any officer of the municipality that any income or business assessment has been omitted from such assessment roll either in whole or in part or that the amount thereof has been incorrectly stated, he shall forthwith report the same to the clerk of the municipality who shall forthwith enter the same on the assessment and collector's rolls for the current year and the party so assessed and taxed shall **have the right of appeal as provided in section 118.**"

Section 118 of the Assessment Act provided:

> "(1) The Court of Revision shall, at any time during the year for which an assessment has been adopted by the council or before the first day of July in the following year and with or without notice receive and decide upon the petition from any person assessed for a tenement which has remained vacant during more than three months in the year for which an assessment has been so adopted; or from any person who declares himself from sickness or extreme poverty unable to pay the taxes or who by reason of any gross or manifest error in the roll has been overcharged or who has been assessed in respect of land income or business assessment under section 54; or who has been assessed for busines but has not carried on business for the whole year in which the assessment was made, and the Court of Revision may (subject to the provisions of any by-law in this behalf) **remit or reduce the taxes of any such person or reject the petition**; and the council may from time to time make such by-laws and repeal or amend the same."

The words "income or business assessment" were added by the amendment of 1922, after this litigation began.

> "(2) An appeal may be had **to the County Judge** by such person or by the municipality from any decision of the Court of Revision under subsection 1."

The words "to the County Judge" were inserted in the section in 1922. Before that there was nothing in the Act to indicate to whom the appeal was to be had.

In tracing the history of the legislation His Lordship found that Sec. 118 provided for the remission or reduction of taxes and that: (P.499, L. 36).

> "Thus, for the first time, was the right to petition for **remission of taxes** spoken of inaccurately as an appeal."

At L.43, he says:

> "Section 112 now became section 118, enlarged so as to cover other cases, but it retains its position among the sections relating to the collection of taxes. Sections 61-71 provide for appeals from assessments to the Court of Revision, and Sec. 72 et seq. to further appeals to the County Court Judge."

At P.500, L.37, he says:

> "From this history of the legislation several things emerge. The right of appeal from an assessment and the right to apply to the Court of Revision for a remission of taxes are and have always been entirely separate and distinct things. There has been in each case given the right of appeal to the County Court Judge.

> "The further right of appeal to the Railway Board is given in lieu of an alternative right to go originally to a Board of Judges and later to the Railway Board upon an assessment appeal.
>
> "The right of appeal from the action of municipal officers in an attempt to collect taxes upon property omitted from the assessment roll has been deliberately confined to the limited right of appeal given where proceedings originate by petition under sec. 118. That right of appeal is exhausted when the County Court Judge is reached."

At P.497, L.22:

> "Tracing back the history of Sec. 118 . . . . . The intention was to 'give power to relieve in cases of hardship':- . . . . . This jurisdiction so conferred was quite distinct from the ordinary appellate jurisdiction of the Court which was dealt with by Sec. 28;"

Mr. Justice Fergusson agreed with Mr. Justice Middleton in holding that the right of appeal was deliberately confined to the limited right of appeal given by Sec. 118, but intimated that, in his opinion, the word "person" in Sec. 80 (now Sec. 84) of the Act did not include Municipality. This has now been amended, the amendment in 1935 allowing appeal by the Municipality.

Mr. Justice Magee dissented, holding that there was right to appeal to the Municipal Board.

Since the date of that decision, the Assessment Act—and especially the Sections relating to appeals—has been materially changed.

The "Benevolent" Section, formerly 118, providing for applications (formerly a Petition) for cancellation or reduction of taxes, is now Section 125. By subsection (3) there is no appeal from the Court of Revision under Clauses (a)—Vacancy; (b)—Sickness; and (c)—Error; but there is an appeal to the County Judge where a person has been assessed for business but who has not carried on such business for the whole year.

The "Omission to Assess" Section, Section 57, formerly Section 54, does not now "limit" the right of appeal "as in Sec. 118".

Because Subsection (8) of Section 123 provides that "A person whose name is entered in the special roll of taxable income . . . . . shall have . . . . . the right of appeal provided in this Act in the case of assessments" and he does appeal, he is not the only person who has the right to appeal from the decision, on that appeal. Prior to 1939, Section 123, Subsection (8) provided "and no appeal shall lie from the decision of the County Judge on any such appeal". The amendment in 1939, Statutes of Ontario 1939, Cap. 3, Section 8, striking out these words must have been enacted for the purpose of allowing an appeal from the decision of the County Court Judge "provided in this Act in case of assessments".

Should Sections 57 and 123 be construed as strictly as Mr. Carson contends, Section 83, which provides that the "decision and judgment of the Judge or Acting Judge shall be final and conclusive in every case adjudicated upon" should be as strictly construed, and that would render Section 84 a nullity.

The Act must be taken as a whole and should be construed, if possible, so that no clause or section shall be a nullity. Notwithstanding Section 83 and other Sections of the Act, Section 84 is clear and definite and gives to persons assessed in the amounts specified therein, and to the Municipality, the right to appeal to the Municipal Board.

The Board finds that, under the provisions of Section 57, as it is now enacted, the right of appeal of either the person assessed or the Municipality is not exhausted when the County Court Judge is reached, if the assessment of the person is $40,000.00 and upwards.

In respect to Mr. Carson's second objection, that the assessment for income made in 1943 for income which the appellant claims should have been made in 1941 and 1942 is illegal because in 1941 and 1942 the Municipality had not passed a By-law under Section 123, the Board finds that the Municipality has complied with the provisions of Section 57, and that, before the omissions were corrected, a By-law under the provisions of Section 123 was passed. That objection is, therefore, overruled.

In respect to his third objection, that subsection 12 of Section 123 is the governing section and applies only to income received during the year in which the By-law is passed, the Board finds that such objection cannot be sustained.

Section 123, Subsection (1), expressly provides for furnishing a return of income received during the year ending on the 31st day of December then last past and the entry in a special Roll. This objection is also overruled.

The Motion by Counsel for the Respondents is dismissed, and the appeal will be heard by the Board at a date to be fixed on application of either party.

Dated at Toronto the Fourth day of October, A.D., 1944.

R. S. COLTER,
Chairman.

W. P. NEAR,
Vice-Chairman.

P.F. B-2525

See P.F. B-2526 & B-2527

IN THE MATTER of Section 84 of "The Assessment Act" (R.S.O. 1937, Chapter 272).

BETWEEN:

THE CORPORATION OF THE CITY OF WINDSOR

Appellant

—and—

FORD MOTOR COMPANY OF CANADA, LIMITED

Respondent

(Appeal from Decision of His Honour the County Judge, County of Essex, respecting corporation income assessment made by the City of Windsor for the years 1941, 1942 and 1943.)

COUNSEL:

Lorne R. Cumming .... for Appellant

J. B. Aylesworth, K.C. .... for Respondent

DECISION OF THE BOARD

The parties to this appeal, by their Counsel, having agreed that the same preliminary points of law were raised, before the Board, by the Respondent herein, as were raised by the Respondents in the appeal of The Corporation of the City of Windsor, Appellant, and Hiram Walker-Gooderham & Worts, Limited and Subsidiaries Holding Company, Limited, Respondents, and the parties hereto, by their Counsel, having further agreed that the facts relevant to such points of law are the same in both appeals.

The Board, for the reasons stated in the said appeal of The Corporation of the City of Windsor, Appellant, and Hiram Walker-Gooderham & Worts, Limited and Subsidiaries Holding Company, Limited, Respondents, hereby dismisses the Motion of Counsel for the Respondent and directs that this appeal be heard by the Board at a date to be fixed on application to either party.

Dated at Toronto, the 20th day of October, A.D., 1944.

R. S. COLTER,

Chairman

W. P. NEAR,

Vice-Chairman

P.F. B-2326

IN THE MATTER of Section 84 of "The Assessment Act" (R.S.O. 1937, Chapter 272).

BETWEEN:

PASSCHENDALE BUILDINGS, LIMITED

Appellant

—and—

THE CORPORATION OF THE CITY OF TORONTO

Respondent

(Appeal from Decision of His Honour the County Judge respecting the assessment of Lots 6, 5 and the East part of Lot 4, King Street West and No. 415 King Street West—Land and Buildings).

E. P. Brown, Esq., K.C. .... Council for Appellant

F. A. A. Campbell, Esq., K.C. .... Counsel for Respondent

DECISION OF THE BOARD

This is an appeal by the Passchendale Buildings, Limited, against the assessment of the property at the South-East corner of Spadina Avenue and King Street West, having a frontage on King Street of 135′ divided into four parcels of: 25′ at the corner, assessed at $500.00 per foot; the next 20′ assessed at $350.00 per foot; the next 32′, assessed at $225.00 per foot; and the next 58′, at $225.00 per foot. These assessments were reduced by the Court of Revision as follows: The $225.00 rate was reduced to $200.00 per foot; the $350.00 rate was reduced to $300.00 per foot; and the $500.00 rate was reduced to $450.00 per foot. On appeal to the County Judge, the Decision of the Court of Revision was confirmed. The property has a depth of 100′ to a lane. The property was purchased by the appellant in 1929 for $86,500.00. At the time of purchase, there was erected on the premises an hotel, which was immediately demolished, the appellants having sold the building for $1000.00. It was the intention of the appellant to immediately erect on the lands a building for the purposes of the Needle Trade. The Needle Trade had been fairly well consolidated in this vicinity previous to 1929, but it has since moved to the Adelaide-Spadina Avenue area. When the crash came in 1929, the appellant did not proceed with the building operations, and the property remained vacant until 1936, when it was leased to the Supertest Petroleum Corporation Limited for the purpose of a gasoline service station. The lease was for the term of fifteen years from the 1st April, 1936, and under certain terms and conditions mentioned in the lease. It was filed as Exhibit 1. On the property has since been erected by the lessees a service station, which is now assessed for $7,800.00. There seems to be no objection to the assessment of the buildings.

The rental received from the property in 1936 amounted to $142.45, being one cent per gallon on the amount of gas sold. In 1942, this rental amounted to $1221.03. The appellant says that he has been attempting to sell this property ever since the crash came in 1930, but has not succeeded. He said that, about 1939, they put a price of $17,500.00 on the property as Rogers, one of the members of the Company died and his estate was very anxious to sell. At one time the Supertest asked for an option for $15,000.00 on the property but the appellants asked for an offer, which they did not get.

Reginald F. Heal, a real estate operator for some years with W. H. Bosley & Company, says that this is a "dead" district and that it is not a district that could be used for retail purposes. He says that the property should be assessed in one lot and that $200.00 per foot is the maximum value of it. Frederick Hotrum, of the Real Estate Department of the National Trust, called by the appellant, stated that this is an old district, in which the Needle Trade predominates. The best use of the property is for a manufacturing building, that in his opinion the whole corner is grossly over-assessed and that the market value of the property, for which it should be assessed, is the selling value but he would not care to hazard a guess as to the selling value. In his opinion the maximum value for its best use is $22,000.00 and, in that price, he would assess the corner 50′ at $200.00, the next at $150.00, and the inside at $125.00 per foot. He referred to certain sales on King Street, and compared the sale price with the assessments of these properties, showing that they were all very much over-assessed in comparison with the sale price. In cross-examination he said that the actual value is what you can get for it and he would not hazard a guess as to the present actual value of this property.

V. H. Edwards, called by the Respondent, said that a very grave mistake was made by the appellant when they tore down the hotel which was on the property at the time of purchase. He said that he would value the property as fronting on Spadina Avenue at $385.00 per foot. In his opinion, taking the property as it is assessed, on King Street, the first 45′ is worth $390.00 per foot; the next 32′ is worth $235.00 per foot and the next 58′ is worth $225.00 per foot, or a total for the 135′ of $38,120.00. He said that any corner property in this section is worth from $500.00 to $900.00 per foot—that in 1929, the purchase price paid for this was $865.00 per foot and, less the assessed value of the building, at $640.00 per foot. He also said that the hotel at the North-west corner of Spadina and King Street, is rented for $6000.00 per year and it is not as good a building as the one the appellants tore down.

A plan was put in, showing that the North-East corner of Spadina Avenue and King Street, is assessed at $650.00 per foot for the first 19′; the next 13′ at $350.00 per foot; the next 27′ at $250.00 per foot; that the North-West corner, first 50′ is assessed at an average of $510.00 per foot; the South-West corner is assessed at $525.00 per foot.

The evidence generally indicates that the property is not being put to its best use. Witnesses stated that its best use is for a Commercial, Manufacturing, or Loft Building.

In view of all the evidence and, in looking at the assessments of the adjoining properties and properties of practically the same value, the Board finds that this property is not over-assessed and, therefore, dismisses the appeal.

The appellant having paid the Board's tariff fee of $25.00, there will be no further Order as to costs.

Dated at Toronto this 5th day of January, A.D., 1944.

R. S. COLTER,
Chairman

W. P. NEAR,
Vice-Chairman

P.F. B-2199

IN THE MATTER of Section 84 of "The Assessment Act" (R.S.O. 1937, Chapter 272).

BETWEEN:

CHARTERED TRUST & EXECUTOR COMPANY

Appellant

—and—

THE CORPORATION OF THE CITY OF TORONTO

Respondent

(Appeal from Decision of His Honour Judge Macdonell respecting the assessment of lands and buildings at the North-East corner of Yonge Street and Jackes Avenue known as Number 1315 Yonge Street.)

J. E. Corcoren, Esq., K.C. .... Counsel for Appellant

F. A. A. Campbell, Esq., K.C. .... Counsel for the Respondent

DECISION OF THE BOARD

This is an appeal by the Chartered Trust and Executor Company against the assessment of lands owned by them and being 1315 Yonge Street. The property is a block of land having a frontage on Yonge Street of 224′ 2″ with a depth of 185′, the southerly limit of the said lands being the north limit of Jackes Street. Jackes Street is a "blind street" leading to the reservoir. The property was assessed in the year 1943, on which taxes for the year 1944 are to be levied, at $39,229.00 for the land and $500.00 for buildings, the buildings being a vacant house unfit for habitation. The rate of assessment for these lands is $175.00 per foot for the frontage on Yonge Street.

During the course of the appeal, the assessment of the buildings was not seriously questioned.

The Court of Revision had confirmed the assessment and one of the County Judges of the County of York had dismissed the appeal by the appellants herein from such confirmation.

The appeal was based mostly on the contention that:

(1) The property has been for sale for many years and no offer has been received by the owners for it, although there was placed on the property a "For Sale" sign, offering the property for sale at $150.00 per foot;

(2) The property immediately to the south of Jackes Street and facing on Yonge Street had been purchased by the Dominion Government in 1939 from the North American Life for $50,000.00, the purpose being the erection of a broadcasting station on said lands. On the property purchased by the Government were two old houses, assessed for $6,500.00 and the appellant figured that the frontage on Yonge Street of these lands being 553′ would show a value of $125.00 per foot, and contended that the lands purchased by the Government were more valuable than the lands in question in this appeal;

(3) That the highest use for the property would be as a site for an apartment house;

(4) That the actual value of the property for an apartment site would be not more than $125.00 per foot and that, because an apartment could not be erected until after the war, no one would pay more than $100.00 per foot for same;

(5) That the City had been selling lands throughout the City of Toronto at 43% of the assessed value.

For the appellant, Alfred Charles Gregory, Real Estate Valuator for the Company for many years, said that, in his opinion, the property was not worth more than $125.00 per foot, that it was not nearly so good as the property purchased by the Dominion Government, that its only use was as an apartment site and that the purchase by the Dominion Government of the lands across Jackes Street would not enhance the value of the appellant's property because it would be used to a great extent for the parking of cars. He showed that, in 1931, the property was repossessed for the Ina Crafton homes under mortgage for $22,000.00 which covered not only this property but a property at 85 Bloor Street East. The Bloor Street property was assessed at $9,250.00, from which property the appellants were receiving $65.00 per month rent; that today, the principal money owing on the mortgage is $37,538.00 and that this does not include interest on the mortgage. He also showed that this property is now being rented as a used-car lot, for which they receive $45.00 per month rent, and $7.50 per month rent for a sign erected on the property; that the taxes for 1943 were $1,255.44 and that the loss on this property was $625.44 for the year 1943. That in 1935, the property was assessed for $250.00 per foot. On appeal, this assessment was reduced to $225.00 per foot in 1936; in 1938, the assessment was reduced to $200.00 per foot; in 1940, the County Judge reduced the assessment to $175.00 per foot; and that there are two vacant lots immediately north of the property in question which are also used as parking lots. He pointed out that the South-East corner of Woodlawn and Yonge was purchased in 1938 at $54.00 per foot, and an apartment house had been erected thereon; that the North-East corner of Rosehill and Yonge Street, on which is erected a two-storey garage, assessed at $15,500.00, was sold for $21,000.00 and that, in analyzing the sale, the rate per foot frontage on the sale would be $110.00.

For the respondent, V. H. Edwards said that, in his opinion, the best use of this property would be as an apartment site and that the southerly 100′ of this property is worth $200.00 per foot and that the balance, 124′ 2″, is worth $175.00 per foot, making a total assessment for the whole property of $41,729.16. In his opinion, the development of the property purchased by the Dominion Government would increase the value of this property but that the property purchased by the Dominion Government was not nearly so valuable as the property in question because it dropped from the North-East to the South-West very abruptly and that Yonge Street, in front of this property, had been depressed in order to form a proper grade for the subway under the railway. The depression of Yonge Street in front of the lands purchased by the Dominion Government at the North-West corner is about 10′ and, at the South-West corner, it is nearly 30′. The property in question in this appeal is practically level and there is a very slight depression of Yonge Street at the front. He said that $400.00 per foot had been paid for the apartment site at the North-East corner of Farnham and Yonge in 1926. He said that he would place a higher value on this property than he does, were it not that an apartment house cannot be erected at the present time.

In the opinion of the Board, the fact that the City has sold some properties at 43% of the assessed value is not of importance in this case. Naturally, the City is anxious to get property in the hands of owners so that taxes can be collected on it rather than remain idle.

The fact that the property to the south was sold for $50,000.00 to the Dominion Government should not carry too much weight, owing to the fact that there is such a depression on the Yonge Street frontage and also by reason of the fact that the land falls to the South-West. The North part of the lands purchased by the Dominion Government are assessed at $200.00 per foot, but it has a greater depth. The lands immediately to the North of the property in question, with a much lesser depth, are assessed at $150.00 per foot, and the lands immediately to the North of the last mentioned lands, at the corner of Rosehill and Yonge, are assessed at $275.00 a foot. The lands at the North-East corner of Balmoral and Yonge are assessed at $300.00 a foot. The lands at the North-East corner of Farnham and Yonge, immediately across Yonge Street from the lands in question, are assessed on Farnham Avenue at $275.00 per foot.

After hearing all the evidence and viewing the property in question, the Board is of opinion that no reduction should be made in the assessment and that the appeal must, therefore, be dismissed.

The appellant having paid the Board's fees, there will be no further Order as to costs.

Dated at Toronto, this 8th day of January, A.D., 1944.

R. S. COLTER,
Chairman
W. P. NEAR,
Vice-Chairman

P.F. B-2247

IN THE MATTER of Section 84 of "The Assessment Act" (R.S.O. 1937, Chapter 272).

BETWEEN:

GORDON, MACKAY & COMPANY, LIMITED

Appellant

—and—

THE CORPORATION OF THE CITY OF TORONTO

Respondent

(Appeal from Decision of His Honour the County Court Judge respecting the assessment of lands and buildings known as 48-52 Front Street West.)

Kenneth B. Maclaren, Esq., K.C. .... Counsel for Appellant

F. A. A. Campbell, Esq., K.C. .... Counsel for Respondent

DECISION OF THE BOARD

This is an appeal by Gordon, Mackay & Company, Limited, against the judgment of one of the Judges of the County Court of the County of York by which judgment the appellant's assessment of buildings was reduced $10,000.00 but, otherwise, the assessment was confirmed. The appellants are the owners of 48 to 52 Front Street West in the City of Toronto. The lands have a frontage of 109′ 11″ on Front Street, the corner 47′ having a depth of 122′ on Bay Street, and the remaining 62′ 11″ having a depth of 112′ to a lane. On these lands is erected a five-storey with basement warehouse building of Mill construction, erected in the year 1904 for the appellants. The land is assessed for $139,317.00 and the buildings, after the reduction of $10,000.00 by the County Judge, are assessed at $30,000.00. At the rear of the 47′ is a 10-foot lane but the building is erected over it.

Evidence was given before the Board, on behalf of the appellants by W. I. Walker, a Director and Secretary of the Appellant Company, and Frank Poucher, Manager of the Real Estate Department of the National Trust Company, a man who has had a very wide experience with reference to real estate in the City of Toronto.

On behalf of the City, evidence was given by H. A. Wickett, a building contractor who has had a very wide experience in the erection of large buildings in the City of Toronto and other localities in the Dominion of Canada, and by Vernon H. Edwards, the Manager of the Real Estate Department of the Sterling Trusts, who specializes in the purchase, sale, and valuation of down-town properties in the City of Toronto.

The evidence shows that this property was, until November, 1942, owned by the trustees of the Mackay Trust, viz: The National Trust Company and one, Frank Gray.

The building, since its erection in 1904, has been occupied by Gordon, Mackay & Company, Limited. This Company also owns the property adjoining the property in question to the west, known as the Gage Building, which it purchased in 1938.

In the year 1942, the Trustees were approached by a purchaser who offered $125,000.00 for the property. The Trustees then approached the appellants, who offered $125,000.00 but this was refused and, later, an offer of $130,000.00 was accepted. The Gordon, Mackay & Company, Limited, had a five-year lease from October 1st, 1939, with an option of renewal for a further five years, the rental being $8,500.00 plus taxes —being $8,500.00 net return to the Trustees. Prior to 1939, the rental paid had been $7,717.16 but reduced by an amount of $1,100.00 per annum for five years to finance the cost of fire escape and other improvements. The net return to the Trustees in this period was $6,600.00 per annum. According to the lease, the property was to be insured for not more than $175,000.00. At the present time, the appellants carry insurance of $1,400,000.00 on the two properties and stock. It was admitted that the location of the building was excellent for the purposes of the Company, as it is in a good wholesale district, but it is not in a good district for parking facilities for motors. The building is and has always been kept in excellent shape.

Mr. Poucher said that two of the beneficiaries under the trust each had a seven-seventeenths interest. Upon the death of one of the beneficiaries of the Mackay Trust, who held a seven-seventeenths interest, in November, 1939, the Chartered Trust as Executor had valued the property at $142,000.00 for Succession Duty purposes. Another beneficiary died in 1941 and the National Trust, as Executor, placed the same valuation of $142,000.00. Mr. Poucher had previously been trying to sell the property and at the time of the negotiations for the sale which took place, Mr. Bosley, an experienced realtor in Toronto, was asked for a report as to the value of the property and he placed a value of $162,500.00 on it, taking into consideration the sale of the Gage property to the appellants but, when he had analyzed the income from it, he advised the acceptance of the offer of $130,000.00. Mr. Poucher valued this land at $122,500.00. He said that the land is too valuable for the class of building that is erected on it today, and that, in his opinion, the value of the whole property is $130,000.00. Therefore, the building increased the value of the land by $7,500.00. In his opinion, the building was obsolete, being forty years old, and does not allow the full use of all the land. In his opinion, the building should be demolished because it is not suitable for division into smaller units.

In cross-examination, re the sale of the property having 27′ frontage on Bay Street immediately north of the property in question, Mr. Poucher analyzed this sale as at the rate of $1,050.00 per foot for the land, deducting building at a value of $6,000.00. The sale was made in July, 1938. This building is a very old one-story building, occupied as a Drug Store and restaurant.

The appellants purchased the Gage property adjoining the property in question in 1938. This property has a frontage of 75′ on Front Street, the easterly 11′ thereof having a depth of 112′ to a lane and the balance of the property having a depth of 190′ to Piper Street. The purchase price was $150,000.00. The assessment on this property had been:

Land	$104,000.00	
Building	90,000.00	
a total of		$194,000.00

This assessment was reduced, on appeal, to $150,267.00 in 1939, being $85,267.00 for land and $65,000.00 for building. On this property is constructed a six-storey and basement warehouse building.

For the Respondent, Mr. Wickett valued the building at $51,351.00, as follows:

Today's cost of material and erection	$183,397.00
And he allowed a depreciation of 2% per year for 35 years, being	132,046.00
leaving a balance of	$ 51,351.00

as today's value of the building. He said that, in his opinion, the depreciation allowed was most generous and that it is an "A1" factory building.

Mr. Edwards, for the respondent, valued this property as follows:

47′ frontage on Front St., with a depth of 122′, at $1,700.00 per foot	$ 79,900.00
62′ x 112′ at $1,140.00 per foot	71,725.00
Total for land	$151,625.00

In his opinion, the building adds $56,000.00 to the value of the land. He cubed it at 820,210 cubic feet:

At 25c per cubic foot	$205,052.00	
Depreciation at 2½% after first five years	148,662.00	
Balance	$ 56,390.00	
Total for Land and Buildings		$208,015.00

He said that such a depreciation, after the first five years, was most generous and he doubted whether he should really allow as much as 2½%. In his opinion, this area is what real estate men call a "hot spot", being close to the Royal York Hotel and in the heart of the wholesale and Government Buildings district. He says that Murray's Restaurant, occupying a building just west of the lands in question, paid $125,000.00 for alterations and pay $10,000.00 rent per year for the basement occupied by them.

Mr. Harry Nixon, Deputy Assessment Commissioner, gave a history of the assessments on this property, showing that in 1904 the land was assessed for $57,000.00. This was increased, in 1931, to $207,333.00 and that, in 1939, the assessment of the land was $139,317.00; that, in 1906, the assessment on this building was $65,000.00, increased in 1923 to $100,000.00 and reduced from time to time until 1943, to $30,000.00.

In argument, Mr. Maclaren contended that the land and buildings should be assessed at the sale price of $130,000.00. When it was pointed out to him that, according to his valuation, if the lands were assessed at the value placed by him on them, the building would be assessed at $7,000.00 and that the one-storey building immediately to the north, having a frontage of 27′ on Bay Street, was assessed at $6,000.00, he said he didn't care how the assessment was divided up but that it should not be more than $130,000.00.

Mr. Campbell, for the respondent, argued that the assessment, as reduced by the Judge, should remain, that although the building was sold to the appellant for $130,000.00, the appellants at that time had a five-year lease with right of renewal for another five years, at $8,500.00. He also pointed out that the Mackay Trust, which owned the building, was financially interested in the appellant company and that the building had been erected by Gordon Mackay for the Company and that it had been maintained and kept in the very best of repair since it was built. He argued that the land could not be assessed for less than the value placed on it by Mr. Poucher, which was $122,500.00. To value the building at $7,500.00, as suggested by the appellant, would be absurd in view of the valuation put on the one-storey building to the north.

The Board has given all the evidence very careful consideration. The building was erected about forty years ago for the Gordon, Mackay and Company, Limited. The building is substantial, is in the heart of the wholesale trade area, and has always been kept in first class repair. Within recent years alterations within the building were made by the Company, for the cost of which repairs the Company was allowed to deduct $1,100.00 per year for some five years. The only suggestion that the site was not ideal for the Company's purposes was that parking facilities were not of the best. There was no suggestion that the building did not meet all the requirements of the Company or that it is not suitably situated for the purposes of the Company's business. The fact that the Company has carried on its business at this location for forty years must add some value to the building for the Company's business.

Section 39 of the Assessment Act provides:

> "Subsection (1): Subject to the provisions of this section, land shall be assessed at its actual value.
>
> "Subsection (2): In assessing land having any buildings thereon, the value of the land and buildings shall be ascertained separately, and shall be set down separately in columns 14 and 15 of the assessment roll and the assessment shall be the sum of such values. The value of the buildings shall be the amount by which the value of the land is thereby increased."

In his evidence, Mr. Poucher valued this land at $122,500.00, as follows:

25′ x 110′ @ $1,500.00	$ 35,000.00
80′ x 110′ @ 950.00	87,500.00
Total	$122,500.00

Mr. Poucher placed the value of the land and buildings at $130,000.00. He admitted, in cross-examination, that at the time of the sale he asked Mr. Bosley to value the land and the buildings and Mr. Bosley placed the value at $162,500.00.

Mr. Edwards, for the Respondent, valued the land and buildings as follows:

47′ x 122′ at corner @ $1,700	$ 79,900.00
62′ 11″ x 112′ @ $1,140.00	71,725.00
Total	$151,625.00

or, if he separated the corner 47′, he placed the value:

25′ at corner @	$2,000.00	
22′ next @	1,360.00	
62′ 11″ next @	1,140.00	
and he valued the building @		$ 56,390.00
Total		$208,015.00

The Board has carefully considered the evidence as to other sales and assessments referred to by the witnesses.

The Board must value the land at its actual value. To take Mr. Poucher's value of the land alone, $122,500.00, and value the building and land at $130,000.00, even taking Subsection (2) of Section 39 into consideration, would create an absurdity in view of the valuation of $6.000.00 placed on the one-storey building immediately to the north. He says the building is misplaced and should be demolished because it is not suitable for being altered into smaller units. But the building was erected and is being used for the purposes of the Company, a wholesale dry goods business. It is situated in the heart of the wholesale district. There is no evidence that a new building divided into smaller units would be more valuable or more suitable on this location.

The property, since reduction by the County Judge, is assessed as follows:

Land	$139,317.00
Buildings	30,000.00
Total	$169,317.00

and the evidence has not convinced the Board that the assessment of the land is greater than its value, nor that the building does not increase the value of the land by $30,000. The appeal is, therefore, dismissed.

The appellants having paid the Board's fee on appeal, there will be no Order as to costs.

Dated at Toronto, the 7th day of January, A.D., 1944.

R. S. COLTER,
Chairman

W. P. NEAR,
Vice-Chairman

ORDERS OF THE BOARD

ORDERS ISSUED BY THE BOARD UNDER SECTION70 OF "THE ONTARIO MUNICIPAL BOARD ACT" (R.S.O. 1937, CHAPTER 60), APPROVING OF THE UNDERTAKING OF CAPITAL EXPENDITURES

NOTE: Where approval granted under additional legislation, applications marked as follows:

"THE LOCAL IMPROVEMENT ACT"	
(a) Section 8	Approval of undertaking of work
(b) Section 29 (3)	Assessment for opening of lane
"THE MUNICIPAL ACT"	
(c) Section 305 (15) (d)	Approval of Notice of redemption of debentures
(d) Section 310	Reduction in rate of debenture interest
(e) Section 315 (2)	Approval of further debt and levies
(f) Section 407 (2)	Approval of By-law—Extension of Municipal Utilities
"THE ONTARIO MUNICIPAL BOARD ACT"	
(g) Section 49	Amendment of Board's Order
(h) Section 59 (dd)	Approval of retirement of unmatured debentures
(i) Section 64 (Part IV)	Validation of debenture By-laws
(j) Section 69	Authority to Dispense with Vote of Electors
(k) 1941 Amendment to Board's Act	Approval of expenditures not provided for in current year's estimates

SPECIAL LEGISLATION

(l) Section 5, "The City of Toronto Act, 1943"

(m) Sections 1 and 2, "The City of Welland Act, 1944"

Additional Legislation	Municipality	Purpose	Amount	Procedure File
	Albion, Township of	Erection of new School House, P.S.S. No. 8	5,000.00	B-2655
	Aldborough, Township of	Construction of Eastlake Drain	1,006.00	B-2938-a
	Aldborough, Township of	Repair of open portion of Slack Drain	529.00	B-2938-b
	Aldborough, Township of	Construction of Kruppe Drain	857.00	B-2938-c
	Aldborough, Township of	Repair and improvement of Mumford Drain	640.00	B-2938-d
	Aldborough, Township of	Repair and improvement of Leibner Drain	2,670.00	B-2938-e
	Aldborough, Township of	Repair and improvement of George Johnston Drain	1,130.00	B-2938-f
	Ancaster, Township of	Construction of watermain (with one hydrant on Allen Ave. (L.I. Petition)	1,646.00	B-2998
(c) & (i)	Arnprior, Town of	Establishment of a Voluntary Hospital	50,000.00	B-2335
(c)	Artemesia, Township of	Erection and renovation of a building for a Community Hall in S.S. No. 11	1,000.00	B-2696
(i)	Barton, Township of	Construction of watermain on Weir St. (L.I. Petition)	6,546.31	B-2393
	Barton, Township of	Construction of sidewalk with curb on east side Barons Ave. (L.I. Petition)	1,443.25	B-2725
	Barton, Township of	Construction of watermain on South Drive (L.I. Petition)	4,110.10	B-2984
	Barton, Township of	Construction of watermain on Montrose Ave. (L.I. Petition)	1,623.46	B-3022
	Barton, Township of	Construction of sidewalk on Main St. (L.I. Petition)	1,961.32	B-3063
	Barton, Township of	Construction of watermains on Tragina and Cumberland Aves.	4,502.25	B-3154-a
		Construction of sewers on Tragina and Cumberland Aves. (L.I. on Petition)	7,408.88	B-3154-b
	Blenheim, Town of	Construction of McCoubrey Drain	745.00	B-1424
	Bosanquet, Township of	Construction of Powell Municipal Drain	469.00	B-2614
	Bosanquet, Township of	Repair of Trick Drain	2,990.00	B-3000-a
	Bosanquet, Township of	Repair of Russell Drain	1,821.00	B-3000-b
	Bosanquet, Township of	Repair of Duffus Drain	1,095.00	B-3000-c
	Bosanquet, Township of	Repair of Clark Humphries Drain	1,820.00	B-3182
	Bradford, Village of	Repair and improvement of Bradford Drainage Works	2,900.00	B-2907
(c)	Brantford, City of	Rehabilitation, modernization and extension of Victoria School (By-law No. 2912)	50,000.00	B-2667
(c)	Brantford, Township of	Brantford Township Hydro Electric System (By-law No. 2286)	60,000.00	B-3128

	Brockville, Town of	Construction of Granolithic sidewalks—Amy and Charles Sts. (L.I. Petition)	600.00	B-2753
	Brooke, Township of	Repair to Sisson-Parker Drain	1,070.00	B-2486-a
	Brooke, Township of	Repair of Hair Drain No. 2	780.00	B-2486-b
	Brooke, Township of	Repair of 12-13 Sideroad Drain	6,356.00	B-2486-c
	Burlington Beach Commission	Construction of sidewalks—Fairview Ave., Kenmore Blvd. and Belleview Ave. (L.I. Petition)	3,000.00	B-2690
	Burlington, Town of	Construction of Sanitary Sewer—Victoria Ave.	1,300.00	
		Construction of Sidewalks—Clark Ave. etc. (L.I. Petition)	2,000.00	B-1863-a-b
(d) & (i)	Burlington, Town of	Addition to Burlington East End Public School and equipment therefor	47,000.00	B-2669
	Burlington, Town of	Construction of Sewers—Hager and Clark Aves.	4,500.00	B-2747-1-a-b
		Sidewalks—Clark, Birch and Hager Aves. (L.I. Petition)	2,300.00	B-2747-2-a-c
	Burlington, Town of	Construction of Sanitary Sewer—Smith Ave. (Initiative Plan)	1,400.00	B-2827
(k)	Burton, (P.S.S. #1)	Erection of new school building at Ardbeg	1,600.00	B-123
(g)	Camden, Township of	Additional expenditure for repair of Hughes-Chauncey Drain	323.00	B-686
	Camden, Township of	Corporation's share of cost of repair of outlet of Stephens-Henson Drain in Town of Dresden	526.56	B-2449
	Camden, Township of	Repair of Wilcox Drain	856.00	B-2605
	Camden, Township of	Repair of Runciman Drain	538.00	B-2973
	Camden, Township of	Repair of Hay Plain Drain	1,518.00	B-2983
	Camden, Township of	Repair of Logan Drain	2,101.00	B-2999
	Camden, Township of	Repair and improvement of Lampman-Parking Drain	2,229.00	B-3114-a
	Camden, Township of	Repair and improvement of Badder-McDonald Drain	1,522.00	B-3114-b
	Caradoc, Township of	Repair and improvement of Trott Drain	2,345.00	B-2132
	Chatham, City of	Construction of watermain—Willowmac Ave. (L.I. Petition)	2,362.50	B-2603
	Chatham, City of	Construction of concrete pavement—Spencer Ave. (L.I. Petition)	11,188.80	B-2686
	Chatham, City of	Construction of sewer and watermain—Phyllis Ave. (L.I. Petition)	3,640.00	B-2735
(a)	Chatham, City of	Construction of concrete sidewalks—Wellington St. E., etc. (Notice of Intention, May 5th, 1944)	6,768.65	B-2858
	Chatham, Township of	Repair or improvement of Meredith Drain	1,849.77	B-1548-a
	Chatham, Township of	Repair of the Headley and Branch Drain	750.00	B-1548-b

	Chatham, Township of	Construction of the Selkirk Drain	350.00	B-1548-c
(c) & (i)	Clinton, Township of	Construction of one-room addition to school house of S.S. No. 1 (By-law No. 614 amended by By-law No. 619)	7,500.00	B-2698
	Clinton, Township of	Construction of tile, stone or timber drains	30,000.00	B-2987
(c) & (i)	Clinton, Township of	Construction of School House S.S. No. 4 (By-law No. 620)	30,000.00	B-3005
(c)	Clinton, Town of	Sewerage disposal purposes (subject to certain special conditions)	199,000.00	B-3156
	Cobourg, Town of	Purchase of Hilda Niles property adjacent to Public School premises for additional public school accomodation	5,600.00	B-3127
	Colchester North, Township of	Repair and improvement of Boyle Outlet Drain	1,062.50	B-2522-a
	Colchester North, Township of	Repair and improvement of Malden Road Drain	823.85	B-2522-b
	Colchester North, Township of	Repair and improvement of Rush and 14th Concession East Drains	3,814.00	B-2546
	Colchester South, Township of	Repair and improvement of McLean Drain	4,206.00	B-2873-a
	Colchester South, Township of	Construction of Wilson Drain	2,566.00	B-2873-b
	Colchester South, Township of	Construction of McLean-Pastorius Drain	554.00	B-2873-c
	Colchester South, Township of	Repair and improvement of Grayer Drain	2,363.94	B-2873-d
	Colchester South, Township of	Repair and improvement of Second Concession Drain	1,136.00	B-2873-e
(h) & (i)	Collingwood, Town of	Retirement of unmatured debentures	500,000.00	B-2437
(c)	Copper Cliff, Town of	Building and equipping a two-roomed addition to Public School (By-law No. 182)	27,500.00	B-3257
	Cornwall, Town of	Construction of Granolithic Walk on York St. (L.I. Petition)	513.42	B-2668
	Cornwall, Town of	Construction of Permanent Road— Amelia, Fourth St. W. and Augusta Sts. Granolithic Walks—Cumberland St. and Cartier Ave. and Sewer—Greenfield Ave.	10,474.40	B-2929
(i)	Cosby & Mason, Township of	Township's share of cost of purchase of Fire Appliances—Police Village of Noelville	1,142.00	B-2825-b
(a)	Crowland, Township of	Construction Sidewalks—Railway Ave., etc. (Notice of In-		

		tention, July 19th, 1942)	6,041.00	B-1271
(i)	Crowland, Township of	Purchase of land and erection of Fire Hall	20,000.00	B-2376
(a) & (c)	Crowland, Township of	Construction of watermain—Alberta St., and sidewalks — Southworth St. and Eighth Ave. (Notice of Intention, Aug. 19th, 1944)	5,431.00	B-3075-a-d
	Culross, Township of	Construction of Scheistel and Richie Drains	5,391.98	B-2961
	Dover, Township of	Improvement of Smith Drain	650.00	B-2803-a
	Dover, Township of	Repair and improvement of Peltier Pumping Works	2,000.00	B-2521-a
	Dover, Township of	Repair of Whitebread Pumping Works	6,600.00	B-2521-b
	Dover, Township of	Construction of pump for Couture Drain	1,000.00	B-2521-c
	Dover, Township of	Repair of the Cadotte North Mechanical Drainage Works	935.00	B-2521-d
	Dover, Township of	Repair of the Henderson-Hebert Drain	490.00	B-2521-e
	Dover, Township of	Construction of the Raymond Pumping Works	1,035.00	B-2521-f
	Dover, Township of	Repair and improvement of Badhand Drain	925.00	B-2803-b
(c)	Dover, Township of	Repair and improvement of McFarlane Relief Drain	34,440.00	B-3076-a
(c)	Dover, Township of	Repair and improvement of Myers Drain	1,350.00	B-3076-b
(c)	Dover, Township of	Repair of Ouelette Branch Drain	1,450.00	B-3076-c
(c) & (i)	Drayton, Village of	School purposes	46,000.00	B-2616
(c) & (f)	Dresden, Town of	Extensions to its Waterworks System	18,000.00	B-3009
	Dryden, Town of	Completion of addition to present school building U.S.S. No. 1, Van Horne, Wainwright and Dryden	3,500.00	B-1782
	Dunwich, Township of	Repair of Reid Drain	594.50	B-2914
(g) & (c)	Dunwich, Township of	Additional expenditure for repair of Government Drain No. 1 North	404.12	B-2283
	Dunwich, Township of	Repair and improvement of Wallacetown Drain	6,400.00	B-3151
(g)	East Oxford, Township of	Additional cost of construction of Simmons-Hopkins Drain	336.26	B-1296
(g)	East Oxford, Township of	Additional cost of construction of Kelly-Townsend Drain	295.70	B-1374
	East Oxford, Township of	Construction of Thompson Drain	577.00	B-3206
	East Nissouri, Township of	Extension of Steele Drain	3,500.00	B-3002
(h) & (i)	East York, Township of	Retirement of unmatured debentures	971,759.91	B-2403
	East York, Township of	Construction of sidewalks—Virginia Ave., etc.	15,374.43	B-2578
	East York, Township of	Erection of a Fire Hall	15,000.00	B-2764
(h) & (i)	East York, Township of	Retirement of unmatured debentures	2,289,092.51	B-2814
	East Zorra, Township of	Construction of Lingelback Drain	6,365.00	B-3183-a
	East Zorra, Township of	Construction of Goring Drain Extension	1,488.45	B-3183-b

	East Zorra, Township of	Corporation's share of cost of cleaning out of Maplewood Drain in Tp. of West Zorra	1,880.00	B-3183-c
	Ekfrid, Township of	Repair of Devlin McTaggart Drain	575.00	B-2602-a
	Ekfrid, Township of	Repair, improvement and extension of White Drain	973.00	B-2602-b
	Ekfrid, Township of	Repair of Devlin-McTaggart Drain	675.00	B-3145
	Ellice, Township of	Repair and improvement of Whirl Creek Drain	7,220.00	B-2831
	Ellice, Township of	Repair and improvement of Schultz Drain and Repair of Branch Two (or the Ropp Drain)	5,525.00	B-3108
	Elma, Township of	Repair, improvement and extension of Hammond Drain	3,725.00	B-2635
	Elma, Township of	Repair and improvement of Struthers Drain	1,185.00	B-2737
	Elma, Township of	Repair and improvement of Hood Drains Nos. 1 and 2	1,465.00	B-2812
(c) & (f)	Elmira, Town of	Improvements and extensions to its waterworks system	25,000.00	B-3141
(a)	Etobicoke, Township of	Construction of watermain—Glenroy Ave.	2,044.00	B-2363-a
		Construction of sewer—Glenroy Ave.	2,450.00	B-2363-b
		(Notice of Intention, December 15th, 1943)		
(a)	Etobicoke, Township of	Construction of Storm Sewers (Islington Storm Sewer Area) —Tyre Avenue, etc. (Notice of Intention, August 17th, 1944)	66,088.22	B-2471
(h)	Etobicoke, Township of	Addition to present School Building P.S.S. No. 14—Sunnylea ($82,000.00) and refunding of certain existing debt therefor ($20,000.00)	102,000.00	B-2535
(a)	Etobicoke, Township of	Construction of Sanitary Sewers—Sunnydale Ave., etc., (Notice of Intention, June 3rd, 1944)	7,862.31	B-2759
(a)	Etobicoke, Township of	Construction of Watermain—Glenaden Ave. (Notice of Intention, June 3rd, 1944)	2,040.86	B-2760
(a)	Etobicoke, Township of	Construction of Sidewalk—Wendover Road (Notice of Intention, June 14th, 1944)	1,085.38	B-2821
(a)	Etobicoke, Township of	Construction of Sanitary Sewer—Glenroy Ave. and Royal York Road (Notice of Intention, July 11th, 1944)	2,106.24	B-2884
(a)	Etobicoke, Township of	Construction of Sidewalk—The Queensway (Notice of Intention, July 27th, 1944)	806.40	B-2997
(a)	Etobicoke, Township of	Construction of Sanitary Sewer—Edgemore Drive (Notice of Intention, September 11th, 1944)	2,012.00	B-3119
(a)	Etobicoke, Township of	Construction of Watermains—Thompson Ave., etc. (Notice of Intention, August 16th, 1944) and Construction of Watermain on VanDusen Blvd. (Notice of		

		Intention, September 21st, 1944)	2,113.35	B-3120
	Euphemia, Township of	Repair and improvement of Wilfred McDonald Drain	680.00	B-2899
	Euphemia, Township of	Repair and improvement of Evans Drain	555.30	B-2905
	Fonthill, Village of	Construction of Watermains—South Pelham St., etc.	6,400.00	B-3085
(g) & (e) & (c)	Forest Hill, Village of	Additional expenditure for construction of Sewer—Castlefield Ave.	255.07	B-1876
		Additional expenditure for construction of Sidewalk—Lyon Ave.	243.39	B-1955
(a) & (e)	Forest Hill, Village of	Construction of Watermain—Old Park Rd.	1,050.00	
		Watermain—Ridelle Ave.	3,400.00	
		Watermain—Ridge Hill Drive	2,100.00	
		Watermain—Elm Ridge Drive	9,528.00	B-2386-a-d
		(Notice of Intention, November 25th, 1943)		
(e) & (c)	Forest Hill, Village of	Repairs and improvements to Schools in Village	71,160.00	B-2306
(a) & (e)	Forest Hill, Village of	Construction of sidewalk—North side Eglinton Ave. (Notice of Intention, February 18th, 1944)	6,950.00	B-2552
(a) & (e)	Forest Hill, Village of	Construction of sidewalks—Eglinton Ave. and Bathurst St. (Notice of Intention, March 11th, 1944)	7,160.60	B-2561-a-b-c
(e)	Forest Hill, Village of	Construction of Watermain—Shallmar Blvd. and Storm and Sanitary Sewers—Shallmar Blvd. (L.I. Petition)	7,335.00	B-2630-a-b
(e)	Forest Hill, Village of	Construction of Watermain—Kilbarry Rd. (L.I. Petition)	5,030.00	B-2712
(e)	Forest Hill, Village of	Construction of Sidewalks—Ridge Drive and Rosebury Rd. (L.I. Petition)	1,090.00	B-2713-a-b
(e)	Forest Hill, Village of	Grading and gravelling—Shallmar Blvd. (L.I. Petition)	2,600.00	B-2795
(e)	Forest Hill, Village of	Construction of Pavement—Fairleigh Crescent (L.I. Petition)	4,500.00	B-2798
(e)	Forest Hill, Village of	Construction of Pavement—Montclair Ave. (L.I. Petition)	6,800.00	B-2807
(e)	Forest Hill, Village of	Construction of Sidewalk—Eglinton Ave. (L.I. Petition)	1,100.00	B-2954
(a)	Forest Hill, Village of	Construction of Sidewalk—Eglinton Ave. (Notice of Intention, Aug. 31st, 1944)	440.00	B-3004
(a) & (e)	Forest Hill, Village of	Construction of Storm and Sanitary Sewer, Watermain and Gravel Roadway—Castlefield Ave. (Notice of Intention, Nov. 13th, 1944)	4,840.00	B-3255-a-b-c
(a)	Fort Erie, Town of	Construction of Sanitary Sewers—Dominion Blvd., etc. (Notice of Intention, Aug. 3rd, 1944)	8,214.69	B-2842-a-d

(a) & (g)	Fort Erie, Town of	Construction of Watermains—Dominion Blvd. (Notice of Intention, October 19th, 1944)	3,371.05	B-3171
		Additional expenditure therefor	624.00	
(a)	Fort Frances, Town of	Construction of cement Sidewalks—Armit Ave., etc. (Notice of Intention, Aug. 31st, 1944)	3,496.76	B-2968
	Fort Frances, Town of	Construction of Sidewalks—First Street, etc. (L.I. Petition)	8,499.04	B-2969
	Fort William, City of	Construction of private Sewer connections and installation of Sanitary Sinks and Closets	4,082.47 239.72	B-2461-a-b
	Fort William, City of	Construction of Sewer on Norah Street (L.I. Petition)	4,723.00	B-2464
	Fort William, City of	Construction of (a) Mountain Ave., etc.—Paving	6,413.00	
		(b) Archibald St., etc.—Sidewalks	20,043.00	
		(c) Archibald St., etc.—Paving	14,635.00	
		(d) Brown St., etc.—Grading and Gravelling	10,009.00	
		(e) Crawford Ave., etc.—Plank Sidewalks	1,130.00	
		(L.I. Petition)		B-2766-a-e
(a)	Fort William, City of	Construction of Sidewalks—North Side Victoria Ave.	2,242.35	
		Construction of Paving—Frederica St., etc.	25,530.00	B-2801-a-b-c
		(Notice of Intention—(a) and (c) June 17th, 1944, and (b) July 27th, 1944)		
	Fort William, City of	Construction of Sewers—Brown St., etc. (L.I. Petition)	24,430.00	B-3180
(c) & (j)	Frankford, Village of	Completion of Community Hall (less amount of any grant that may be received from the Dept. of Agriculture)	4,000.00	B-2816
	Godson, Township of (School Board of S.S. #1)	Construction of new school	3,000.00	B-2878
	Gosfield North, Township of	Repair of the Orton Sideroad Drain	367.00	B-2656
	Gosfield North, Township of	Repair and improvement of west branch of Patterson Drain	631.00	B-3028
(c)	Gosfield North, Township of	Repair and improvement of Orton Drain and Outlets	7,474.40	B-3262
	Gosfield North, Township of	Repair of west branch of Patterson Drain	631.00	B-3117
	Gosfield South, Township of	Repair and improvements of Orton Side Road Drain	1,197.00	B-2558
	Gosfield South, Township of	Repair of the Lovelace Drain	894.10	B-2583
	Gosfield South, Township of	Repair and improvement of Orton Sideroad Drain	1,197.00	B-2910-a
	Gosfield South, Township of	Repair and improvement of West Town-Line Drain	1,619.00	B-2910-b
	Gosfield South, Township of	Repair and improvement of East Bon Jasperson Drain	813.00	B-3042-a
	Gosfield South, Township of	Repair and improvement of West Bon Jasperson Drain	1,257.00	B-3042-b

Grey, Township of	Construction of Perrie Drain	695.00	B-2441-a
Grey, Township of	Repair and improvement of Hislop Drain	1,543.00	B-2441-b
Grey, Township of	Repair of Lamont Drain	1,324.27	B-2441-c
Gurd and Pringle, Townships of	Building of a new School	2,800.00	B-2473
Hamilton, City of	Construction of Watermain—Franklin Ave. (L.I. Petition)	3,635.00	B-2429
Hamilton, City of	Construction of Watermain—Main St.	1,008.00	B-2476
Hamilton, City of	Construction of Cement Walk and Curb—Fennell Ave.	1,622.20	
	Curb—Queensdale Ave. E. (n.s.)	1,242.00	
	Curb—Queensdale Ave. E. (s.s.)	1,242.00	
	(L.I. Petition)		B-2479-a-b-c
Hamilton, City of	Construction of Asphalt Roadway—Parkview Drive (L.I. Petition)	10,060.00	B-2593
Hamilton, City of	Construction of Watermain—Stroud's Road	1,600.00	B-2516
Hamilton, City of	Construction of Watermain—Gilmour Place	1,900.00	B-2562
Hamilton, City of	Construction of Pipe Sewer—Gilmour Place (L.I. Petition)	3,589.00	B-2563
Hamilton, City of	Construction of Pipe Sewer—Franklin Ave.	5,830.00	B-2579
Hamilton, City of	Construction of Asphalt Roadway—Forsythe Ave. (L.I. Petition)	7,545.00	B-2580
Hamilton, City of	Construction of Asphalt Roadway—Uplands Ave. (L.I. Petition)	9,090.00	B-2592
Hamilton, City of	Construction of Cement Walk and Curb—Sussex Ave. (L.I. Petition)	1,471.85	B-2609-a
Hamilton, City of	Construction of Cement Walk and Curb—Dalewood Ave. (L.I. Petition)	445.92	B-2609-b
Hamilton, City of	Construction of Cement Walk and Curb—Walter Ave. (L.I. Petition)	2,350.14	B-2609-c
Hamilton, City of	Construction of Cement Walk—Wellington St. (L. I. Petition)	1,845.46	B-2609-d
Hamilton, City of	Construction of Asphalt and Concrete Pavement—Main St.	63,512.00	B-2626
Hamilton, City of	Construction of Asphalt and Concrete Pavement—Sherman Ave.	14,737.00	B-2627
Hamilton, City of	Construction of Asphalt and Concrete Pavement—King St.	25,282.00	B-2628
Hamilton, City of	Construction of Cement Walk and Curb—Huxley Ave. and Cumberland Ave. (L.I. Petition)	2,554.42	B-2651

	Hamilton, City of	Construction of Cement Walk and Curb—Catherine St. (L. I. Petition)	595.37	B-2652
	Hamilton, City of	Construction of Cement Walk and Curb—James St. South (L.I. Petition)	3,581.55	B-2653-a
	Hamilton, City of	Construction of Cement Walk and Curb—Sussex St. (L.I. Petition)	2,993.42	B-2653-b
	Hamilton, City of	Construction of Cement Walk and Curb—Sussex St. (L.I. Petition)	3,098.87	B-2653-c
	Hamilton, City of	Construction of Watermain—Huxley Ave.	3,710.00	B-2654
	Hamilton, City of	Construction of Sewer—Huxley Ave. (L.I. Petition)	6,670.00	B-2675
	Hamilton, City of	Construction of Asphalt on Concrete Roadway — Norwood Rd. (L.I. Petition)	2,920.00	B-2707-a
	Hamilton, City of	Construction of Independent Curb—Royal Ave. (L.I. Petition)	1,635.16	B-2707-b
	Hamilton, City of	Construction of Independent Curb—Royal Ave. (L.I. Petition)	1,635.16	B-2707-c
(a)	Hamilton, City of	Construction of Combined Sewer—Barton St. (Notice of Intention, May 12th, 1944)	59,200.00	B-2722
	Hamilton, City of	Construction of Watermain—Federal Ave.	581.00	B-2832
	Hamilton, City of	Construction of Asphalt Roadway (on Concrete)—Huxley Ave. (L.I. Petition)	14,239.00	B-2865
	Hamilton, City of	Construction of Asphalt Roadway (on Concrete) — Buchanan St. (L.I. Petition)	6,700.00	B-2866
	Hamilton, City of	Construction of Cement Walk and Curb—Buchanan St. (L. I. Petition)	2,172.37	B-2912-a
	Hamilton, City of	Construction of Cement Walk and Curb—Stroud's Rd. (L. I. Petition)	2,304.54	B-2912-b
	Hamilton, City of	Construction of Cement Walk and Curb—Genesee St. (L.I. Petition)	2,310.29	B-2912-c
	Hamilton, City of	Construction of Watermain—Buchanan St.	1,981.00	B-2913
	Hamilton, City of	Construction of Sewer—Buchanan St. (L.I. Petition)	5,120.00	B-2965
	Hamilton, City of	Construction of Sewer—Churchill Ave. (L.I. Petition)	2,547.00	B-3031
	Hamilton, City of	Construction of Cement Walk and Curb—Huxley Ave. (L. I. Petition)	4,173.01	B-3050
	Hamilton, City of	Construction of Cement Walk—Kipling Rd. (L.I. Petition)	2,087.64	B-3059

Hamilton, City of	Construction of Sewer—Main St. (L.I. Petition)	2,689.00	B-3061
Hamilton, City of	Construction of Cement Walk—Parkview Ave. (L.I. Petition)	1,695.72	B-3116
Hamilton, City of	Construction of Pipe Sewer—Fennel Ave. (L.I. Petition)	3,875.00	B-3124
Hamilton, City of	Construction of Cement Walk and Curb—East 12th St. (L. I. Petition)	2,264.32	B-3153
Hamilton, City of	Construction of Sewer—Parkview Ave. (L.I. Petition)	3,711.00	B-3160-a
Hamilton, City of	Construction of Sewer—Bond St. (L.I. Petition)	3,745.00	B-3160-b
Hamilton, City of	Construction of Sewer—Uplands Ave. (L.I. Petition)	2,574.00	B-3160-c
Hamilton, City of	Construction of Watermain— Parkview Drive (work approved by Provincial Dept. of Health)	3,612.00	B-3170-a
Hamilton, City of	Construction of Watermain—Bond St. (work approved by Provincial Dept. of Health)	2,370.00	B-3170-b
Hamilton, City of	Construction of Watermain—Uplands Ave. (work approved by Provincial Dept. of Health)	1,638.00	B-3170-c
Hamilton, City of	Construction of Sidewalk—East 12th St. (L.I. Petition)	2,780.04	B-3172
Hamilton, City of	Construction of Cement Walk and independent Curb — Brucedale Ave. (L.I. Petition)	3,091.34	B-3192
Hamilton, City of	Construction of Watermain—Main St. (approval of Dept. of Health)	1,820.00	B-3197
Hamilton, City of	Construction of Pipe Sewer—Franklin Ave. (L.I. Petition)	3,586.00	B-3205
Hamilton, City of	Construction of Storm Sewer—Dunsmure Ave. and Park Row Ave. (L.I. Petition)	12,400.00	B-3245
Hamilton, City of	Construction of Cement Walk and Curb—East 23rd St.	7,833.80	B-3280
Harrow, Town of	Repair and improvement of Bassett Drain	5,604.25	B-2431
Harrow, Town of	Construction of Secord Avenue Drain	422.00	B-2962-a
Harrow, Town of	Construction of Drain on south sides of Brush and McLean Streets	2,067.60	B-2962-b
Harwich, Township of	Repair and improvement of Cyrus Huffman Drain	1,023.00	B-2746
Harwich, Township of	Repair and improvement of Zink Whalen and Lutes Drain	2,292.00	B-2778-a
Harwich, Township of	Construction of the Smolders Drain	1,365.00	B-2778-b
Harwich, Township of	Repair and improvement of the Mull Drain	1,052.00	B-2778-c
Harwich, Township of	Construction of the Ingram Drain	1,095.00	B-2778-d
Harwich, Township of	Repair and improvement of the Cooper Drain	864.00	B-2840
Harwich, Township of	Repair and improvement of Burke Drainage Works	39,170.00	B-2859

	Harwich, Township of	Repair and improvement of Wright Drain	1,227.00	B-2928-a
	Harwich, Township of	Construction of Archie Campbell Drain	916.00	B-2928-b
	Hay, Township of	Water supply for Police Village of Zurich	4,000.00	B-2236
	Hay, Township of	Repair and improvement of Koehler Drain	2,017.50	B-2784-a
	Hay, Township of	Repair and improvement of Stephen Drain	2,197.60	B-2784-b
	Hay, Township of	Repair and improvement of West Branch Black Creek Drain	4,968.20	B-2784-c
	Hay, Township of	Repair of Eacrett Drain	863.07	B-2934
	Hay, Township of	Construction of Brenner Drain	474.60	B-2960
	Hay, Township of	Construction of Bender Drain	3,928.00	B-3228
	Hibbert, Township of	Repair and improvement of Waugh-Robinson Drain	55.00	B-3201
	Howard, Township of	Repair and improvement of Carman Drain	987.00	B-2436
	Howard, Township of	Repair and improvement of White Ash Creek Drain	589.00	B-2610
	Howard, Township of	Repair of Ashton Drain	484.47	B-2844-a
	Howard, Township of	Construction of Trudgen Drain	946.00	B-2844-b
	Howard, Township of	Repair and improvement of McDowell Drain	4,665.00	B-2966
	Howard, Township of	Construction of Cameron Drain	867.00	B-3013
	Howard, Township of	Repair and improvement of Taff Creek Drain	555.00	B-3091
	Howick, Township of	Repair and improvement of Howick portion of Minto Municipal Drain No. 4	5,620.65	B-2908
	Hullett, Township of	Corporation's share of cost of construction of Garrett Shobbrook Municipal Drain	1,113.87	B-2463
(j) & (c) &(i)	Huntsville, Town of	Repairs to Federal and Municipal Buildings	3,400.00	B-2730
(c)	King, Township of	Corporation's share of cost of certain Holland Marsh Drainage Works (Tp. of West Gwillimbury)	17,354.48	B-3136
(c) & (f) & (i)	Kingston, City af	Construction of the Quebec-Charles Street Storm Sewer	53,000.00	B-2487
	Kingston, City of	Construction of Concrete Walk—east and west sides Willingdon Ave. (L.I. Petition)	2,670.00	B-2601
(c) & (j)	Kingston, City of	Resurfacing of Montreal Street	13,500.00	B-2703
(g)	Kingston, City of	Construction of Pavements—Johnson St., etc. Concrete Walk—Macdonnell St. Additional Cost—Pavements (L.I. Petition)	38,359.90 2,743.60	B-2704
(a)	Kingston, City of	Construction of Pavement— Regent St., Concrete Curb —		

		Regent St. and Sewer — Regent St. (Notice of Intention, June 2nd, 1944)	15,286.63	B-2705
	Kingston, City of	Construction of Tile Sewer—Macdonnell St. (L.I. Petition)	10,295.55	B-2714
	Kingston, City of	Construction of Tile Sewer—Brock St. (L.I. Petition)	504.00	B-2715
	Kingston, City of	Construction of Concrete Walk—Regent St. (L.I. Petition)	1,290.00	B-2785-a
	Kingston, City of	Construction of Sheet Asphalt Pavement—North Macdonnell St. (L.I. Petition)	5,600.00	
		Additional cost	600.00	B-2785-b
	Kingston, City of	Construction of Concrete Sidewalk—Regent St. (L.I. Petition)	550.00	B-2883
	Kingston, City of	Construction of Concrete Walk—Durham St. (L.I. Petition)	148.00	B-3067
	Kingston, City of	Construction of Concrete Walk—College St. (L.I. Petition)	840.00	B-3087
(a)	Kingston, City of	Construction of Concrete Walk on Durham St. (Notice of Intention dated Sept. 28th, 1944)	704.00	B-3088
	Kingston, City of	Construction of pavement on Brock St. (L.I. Petition)	2,950.00	B-3129
	Kingston, City of	Construction of Tile Sewers—Carruthers and Napier Sts. (L.I. Petition)	4,800.00	B-3215
	Kingston, City of	Purchase of Tractor	3,000.00	B-3291
	Kingston, Township of	Addition to School—P.S.S. No. 8	6,000.00	B-2958
(c) & (i)	Kingston, Township of	Construction of new four-room School—S.S. No. 3	50,000.00	B-3074
	Kingsville, Town of	Corporation's share of cost of construction of West Jasperson Drain	564.00	B-2782-a
	Kingsville, Town of	Corporation's share of cost of construction of East Jasperson Drain	740.00	B-2782-b
	Kitchener, City of	Construction of Concrete Walks and Sanitary Sewer—Borden Ave., etc. (L.I. Petition)	3,631.00	B-2615-a-e
(a)	Kitchener, City of	Construction of Watermain and Sanitary Sewers — Chapel St., etc. (Notice of Intention, April 26th, 1944)	1,865.00	B-2615-f-g-h
	Kitchener, City of	Construction of Pavements, Concrete Walks, Curbs and Gutters—Walnut St., etc. (L.I. Petition)	22,486.40	B-2672
	Kitchener, City of	Construction of Pavements and Concrete Walks—Bingman St., etc. (L.I. Petition)	10,623.40	B-2893-a-e
	Kitchener, City of	Construction of Concrete Sidewalks, Watermain and Sanitary Sewers, etc.—Merner Ave., etc. (L.I. Petition)	2,933.41	B-3048-a-b-d-e-f
(i)	Leaside, Town of	Construction of Grading and Gravelling—Laird Drive (L.I. Petition)	5,100.00	B-2554

(a)	Leaside, Town of	Construction of Sewers and Watermains— Donald Drive, etc. (Notice of Intention, March 16th, 1944)	81,017.00	B-2573-a-b
	Leaside, Town of	Construction of Sewers—Laird Drive, etc.	46,410.00	B-2417-a
	Leaside, Town of	Construction of watermains—Laird Drive, etc.	11,891.20	B-2417-b
(c) & (i)	Leaside, Town of	Erection of Second Storey on Northlea Public School	60,000.00	B-2716
(a)	Leaside, Town of	Construction of Pavements—Sutherland Drive, etc. (Notice of Intention, July 22nd, 1944)	132,900.00	B-2901-e-k
(a)	Leaside, Town of	Construction of Sidewalks—Hanna Rd., etc. (Notice of Intention, August 1st, 1944)	25,216.61	B-2989-a
(a)	Leaside, Town of	Construction of Sidewalks—Sutherland Drive (Notice of Intention, August 1st, 1944)	15,505.00	B-2989-b
(a)	Leaside, Town of	Construction of Watermain—Commercial St. (Notice of Intention, October 11th, 1944)	5,500.00	B-3296
	Lochiel, Township of	Maintenance of the Stewart-Proulx Drain	3,025.00	B-2622
	Logan, Township of	Repair and improvement of Gaffney Drain and Branch	3,297.00	B-2888
	Logan, Township of	Repair and improvement of Waugh Drain and of the Robinson Drain	2,343.00	B-3079
	London, City of	Construction of Sanitary Sewer—Whetter Ave. (L.I. Petition)	1,096.00	B-2383
	London, City of	Construction of Curb and Gutter and Cement Walk—East St. George St. (L.I. Petition)	782.46	B-2597-a-b
	London, City of	Construction of Curb and Gutter, Cement Walk and Oil Macadam Roadway—Sherwood Ave. (L.I. Petition)	3,695.22	B-2683-b-c-d
	London, City of	Construction of Curb and Gutter—Madison Ave. (L.I. Petition)	1,423.30	B-2862-a
(a)	London, City of	Construction of Cement Curbs and Gutters— Dundas St., etc. (Notice of Intention, June 14th, 1944)	1,528.31	B-2862-b-c-d
	London, City of	Construction of Sanitary Sewer—Sherwood Ave. (L.I. Petition)	3,666.42	B-2683-a
	London, City of	Scarifying and Oiling—Colborne St.	4,404.84	B-2939
	London, City of	Construction of Cement Walk—East Adelaide St. (L.I. Petition)	745.33	B-3035
	London, City of	Construction of Sanitary Sewer—Wallace St. (L.I. Petition)	1,050.25	B-3272
	London, City of	Construction of Curb and Gutter—South Regent St. (L.I. Petition)	796.29	B-3243

	London, Township of	Construction of two-room Addition to Broughdale Public School (P.S.S. No. 28)	26,500.00	B-2915
(e)	Long Branch, Village of	Construction of a Watermain—Forty-second St. (L.I. Petition)	2,676.00	B-2387
(e)	Long Branch, Village of	Construction of Watermain—Thirty-seventh St. (L.I. Petition)	2,293.00	B-2671-b
	Maidstone, Township of	Repair of Second Concession Road Drain	2,326.16	B-2568-a
	Maidstone, Township of	Repair of the Malden Road Drain	6,404.30	B-2568-b
	Maidstone, Township of	Repair of the South Branch of Brown's Creek Drain	2,106.20	B-2864
	Maidstone, Township of	Repair of the North Rear Road Drain	3,235.98	B-2944
(c)	Maidstone, Township of	Purchase of Bus for transportation of pupils to and from High School (S.S. No. 7)	5,500.00	B-3055
	Maidstone, Township of	Repair of James McHugh Drain	652.70	B-3152
	Maidstone, Township of	Construction of Tile Drains	50,000.00	B-3244
	Martland, Township of	Corporation's share of cost of purchase of Fire Appliances for Police Village of Noelville	1,058.00	B-2825-a
	Maryborough, Township of	Construction of Crawford and Robb Municipal Drain	2,187.37	B-3066
(i)	Mattawa, Town of	Construction of additional Room to Public School	10,000.00	B-2988
	Mersea, Township of	Repair and improvement of the Strauss Land Company Drain	795.24	B-2415
	Mersea, Township of	Repair and improvement of West Part B & C Concession Road Drain	932.00	B-2502
	Mersea, Township of	Repairing, improving and changing from a Ditches and Watercourses to a Municipal Drain of the J. J. Waycock Drain	185.00	B-2512
	Mersea, Township of	Repair and improvement of Sylvester Wiper Drain	1,956.00	B-2741-a
	Mersea, Township of	Construction of Pelee Ave. Drain	900.00	B-2741-b
	Mersea, Township of	Repair and improvement of Fox Drain and Branch	1,385.00	B-2935
	Mersea, Township of	Construction of E. J. Stockwell Drain	948.00	B-3092
	Mersea, Township of	Construction of C. N. Anderson Drain	601.00	B-3178-a
	Mersea, Township of	Extension of the E. J. Stockwell Drain	2,051.00	B-2178-b
	Metcalfe, Township of	Improvement of Kelly Drain	565.00	B-2460-a
	Metcalfe, Township of	Repair and improvement of Davies Drain	1,240.00	B-2460-b
	Metcalfe, Township of	Repair and improvement of Woods Drain	1,162.00	B-2692
	Metcalfe, Township of	Repair and improvement of part of Walker-Marko Drain	2,650.00	B-2895-a

	Metcalfe, Township of	Repair and improvement of O'Neil Drain	1,993.00	B-2895-b
(c)	Metcalfe, Township of	Repair and improvement of O'Neil Drain Extension	2,288.00	B-3233
(c) & (h) & (i)	Midland, Town of	Retirement of unmatured debentures	160,000.00	B-2805
(h) & (i)	Mimico, Town of	Retirement of unmatured debentures	360,000.00	B-2394
(h) & (i)	Mimico, Town of	Retirement of unmatured debentures	335,000.00	B-2424
(h) & (i)	Mimico, Town of	Retirement of unmatured debentures	250,000.00	B-2793
(g)	Minto, Township of	Construction of Municipal Drain No. 26	3,167.96	B-2442
		Additional expenditure therefor	2,080.41	
	Minto, Township of	Repair and improvement of Minto Hospital No. 4	1,632.40	B-3001
	Minto, Township of	Repair and improvement of Municipal Drain No. 4	2,274.41	B-3033-a
	Minto, Township of	Construction of Township of Howick Municipal Drain No. 18	843.85	B-3033-b
	Moore, Township of	Repair of Scott Drain	1,365.00	B-2828
	Moore, Township of	Repair of east branch of Burton Creek Drain	534.00	B-3025
	Moore, Township of	Repair of Lomond Drain	887.32	B-3130-a
	Moore, Township of	Repair and improvement of Wray Drain	2,415.20	B-3130-b
(c)	Moore, Township of	Improvement of Lyndock St. Drain	329.00	B-3232-a
(c)	Moore, Township of	Construction of Froomfield Drain	645.00	B-3232-b
	Mornington, Township of	Construction of Main Meadows Drain	1,375.00	B-2538-a
	Mornington, Township of	Construction of O'Grady Drain	780.00	B-2538-b
	Mornington, Township of	Construction of Ranley Drain	963.85	B-2538-c
	Mornington, Township of	Repair of Patterson Drain	1,630.00	B-2598
	Mornington, Township of	Corporation's share of cost of repair of Whirl Creek Drain	930.00	B-2802
(c)	Mornington, Township of	Construction of Turnbull Drain	680.00	B-3274
	Mountain, Township of	Erection and equipment of School House—P.S.S. No. 11	3,000.00	B-3043
	Mosa, Township of	Repair of the Deacon Winship Drain	1,740.00	B-2886-a
	Mosa, Township of	Repair of Haggerty Drain	1,300.00	B-2886-b
	Mosa, Township of	Construction of the Marko Drain	510.00	B-3010
	Mountain, Township of	Improvement and Maintenance of Kerr's Ridge Drain	3,425.00	B-2871-a
	Mountain, Township of	Maintenance and repair of Mullen Drain	5,755.22	B-2871-b
	McKillop, Township of	Repair and improvement of McKillop-Hullett Boundary Drain	1,577.00	B-2906
(a)	McKim, Township of	Construction of Watermains and a Metering Chamber — Wessex St., etc. (Notice of Intention, October 19th, 1944)	5,835.00	B-3113-a-b

(i)	Neelon and Garson, United Townships of	Construction of one Class-room School for U.S.S. No. 2, Township of Capreol and U.S.S. No. 4, Townships of Neelson and Garson	4,500.00	B-2665
	Nelson, Township of	Construction of Watermain—Ghent Ave. (L.I. Petition)	6,000.00	B-2379
(a)	Nepean, Township of	Construction of certain Sewers and Watermains—Helen St., etc. (Notice of Intention, May 19th, 1944)	17,467.00	B-2701-a-d & B-2700-a-e
(f) & (c) & (i)	Niagara, Town of	Extentions and improvements to municipally-owned Hydro Electric System	12,000.00	B-2776
(h) & (i)	North Bay, City of	Retirement of unmatured debentures	135,000.00	B-3134
	North Grimsby, Township of	Construction of Watermain—No. 8 Highway (L.I. Petition)	19,145.38	B-2678
(g)	North Monaghan, Township of	Construction of Sewer—Brioux Ave. (L.I. Petition)	1,787.00	B-2819
		Additional expenditure	225.63	
(a)	North York, Township of	Construction of Pavement—Glencairn Ave. (Notice of Intention, April 5th, 1944)	34,000.00	B-2542
	North York, Township of	Construction of Watermains and Sanitary Sewers — Joicey Blvd. (L.I. Petition)	4,124.94	B-2613-a-b
	North York, Township of	Construction of Pavements and Concrete Sidewalk — Queenslea Ave., etc. (L.I. Petition)	14,838.36	B-2688-a-e
(c) & (i)	North York, Township of	Purchase of School Sites and addition to Baron Renfrew School	55,000.00	B-2738
	North York, Township of	Construction of Outfall Sewer on Haddington Ave. (Sewer Area No. 2)	1,200.00	B-2796
	North York, Township of	Construction of Watermain—Otter Crescent (L.I. Petition)	950.00	B-2851-a
	North York, Township of	Construction of Watermains—Joicey Blvd., etc. (L.I. Petition)	7,028.00	B-2875-a
	North York, Township of	Construction of Sanitary Sewers — Joicey Blvd., etc. (L.I. Petition)	7,262.50	B-2875-b
	North York, Township of	Construction of Pavements—Joicey Blvd., etc. (L.I. Petition)	12,225.00	B-2875-c
(e)	North York, Township of	Construction of Pavement—Fairfield Rd. (L.I. Petition)	3,750.00	B-3078-a
		Construction of Curb—Fairfield Ave. (L.I. Petition)	325.00	B-3078-b
	North York, Township of	Construction of Watermain—Bannockburn Ave. (L.I. Petition)	900.00	B-3099
	North York, Township of	Double surface treatment with prime coat of Tar—Brooke Ave. (L.I. Petition)	1,722.42	B-3118

	North York, Township of	Construction of Pavement—Glen Park Ave. W. (L.I. Petition)	10,900.25	B-3123-a
	North York, Township of	Construction of Pavement—Ridge Rd. (L.I. Petition)	3,168.00	B-3123-b
	North York, Township of	Construction of Sanitary Sewer — Yonge Blvd. (L.I. Petition)	1,620.00	B-3123-c
	North York, Township of	Construction of Watermains — Homewood Ave., etc. (L.I. Petition)	5,909.48	B-3258
	Orford, Township of	Repair of the Cornwall Drain	1,374.00	B-2736
	Orford, Township of	Repair and improvement of White Ash Creek Drain	3,702.00	B-2926
	Orford, Township of	Repair and improvement of Hornell Drain	843.00	B-3069-a
	Orford, Township of	Repair and improvement of Steele Drain	287.75	B-3069-b
	Orford, Township of	Repair and improvement of Childs Drain	795.00	B-3069-c
	Orford, Township of	Repair and improvement of Bostwick Drain	1,200.00	B-3069-d
(c)	Orford, Township of	Repair and improvement of Abray Drain	1,263.00	B-3200-a
(c)	Orford, Township of	Repair and improvement of McCallum Drain	1,183.00	B-3200-b
(c)	Orford, Township of	Repair and improvement of McTavish Drain	707.00	B-3200-c
(g)	Orillia, Town of	Additional expenditure for Sewer and Laterals on Colborne St. (original expenditure approved July 27th, 1943)	741.48	B-2033-a-b
(c)	Orillia, Town of	Construction and equipment of a two-room Addition at West Ward School	14,000.00	B-2739
	Orillia, Town of	Construction of Sanitary Sewers—John St., etc. (L.I. Petition)	29,269.33	B-2897-a-j
	Ottawa, City of	Construction of Sewers—Mutchmor Rd., etc. (Report No. 110-D) (L.I. Petition)	20,330.00	B-2388
(a)	Ottawa, City of	Opening of Mutchmor Rd. as a Local Improvement (Notice of Intention, Dec. 27th, 1943)	5,469.20	B-2409
	Ottawa, City of	Construction of Sewer—Main St. (L.I. Petition)	23,560.00	B-2484
(a)	Ottawa, City of	Construction of Sidewalks—McGillivray St., etc. (Notice of Intention, April 4th, 1944)	17,250.00	B-2596
(a)	Ottawa, City of	Construction of Sidewalks—Ruskin St. S., etc. (Notice of Intention, May 2nd, 1944)	15,725.00	B-2689
(j)	Ottawa, City of	Repaving the Track allowance of the Ottawa Electric Railway Co.	80,000.00	B-2765
	Ottawa, City of	Construction of Sidewalks—MacFarlane Ave., etc. (Reports 127-D and 128D) (L.I. Petition)	2,175.00	B-2770

(a)	Ottawa, City of	Opening of Chamberlain Ave. as a Local Improvement (Notice of Intention, June 8th, 1944)	5,800.00	B-2781
(a)	Ottawa, City of	Construction of Sidewalk—Laurentian Place (Report No. 129D) (Notice of Intention, June 22nd, 1944)	1,125.00	B-2846
	Ottawa, City of	Construction of Sidewalk—Caroline Ave. and Sewers—Beech St., etc. (L.I. Petition)	6,400.00	B-2847-a-b-c
(a)	Ottawa, City of	Construction of Sidewalks—Barrie Ave. E., etc. (Notice of Intention, July 18th, 1944)	4,275.00	B-2903-a-c
(a)	Ottawa, City of	Construction of Sidewalk—Clarendon Ave. (Report No. 138D) (Notice of Intention, Aug. 11th, 1944)	468.75	B-2949
(a)	Ottawa, City of	Construction of Sidewalks—Burnham Rd. N., etc. (Notice of Intention, Aug. 22nd, 1944)	6,675.00	B-3014
(a) & (e)	Owen Sound, City of	Construction of Sidewalks, Curbs and Gutters—2nd Ave. E. and 10th St. E. (Notice of Intention, Sept. 8th, 1943)	2,893.98	B-2180-a-e
(c)	Oxford-on-Rideau, Township of	Erection of new School Building—P.S.S. No. 11	4,000.00	B-2694
(c) & (i)	Parry Sound, Town of	Grant to Parry Sound General Hospital	20,000.00	B-2734
	Peterborough, City of	Construction of Sewer—Wolseley St. (L.I. Petition)	875.56	B-3248
	Peterborough, City of	Purchase of Pumping Engine	9,000.00	B-2455
	Penetanguishene, Town of	Erection and Equipment of new School Building	85,000.00	B-2646
	Peterborough, City of	Construction of Sanitary Sewer—Gilchrist St.	691.30	B-2676
	Peterborough, City of	Construction of Sidewalks—Wolfe St., etc. (L.I. Petition)	1,146.00	B-2792
	Petrolia, Town of	Construction of new Water Intake Crib, Intake Pipe and Suction Well	60,000.00	B-3007
	Plympton, Township of	Extension of Donald Drain	935.00	B-2943
	Plympton, Township of	Construction of Shea Drain	585.00	B-3018-a
	Plympton, Township of	Repair and improvement of part of Manning Drain and the Manning Drain Branch	1,315.00	B-3018-b
(g) & (c) & (i)	Port Arthur, City of	Amendment to Board's Order of July 8th, 1942—Additional expenditure for construction of Sewers (Works No. 2, 3, 5 and 9)	4,608.23	B-1131
(g) & (c) & (i)	Port Arthur, City of	Amendment to Board's Order of October 27th, 1942—Additional expenditure for Sidewalks—Machar Ave. and John St.	355.47	B-1487-b
(g) & (c) & (i)	Port Arthur, City of	Amendment to Board's Order of October 29th, 1942—Additional expenditure for Sanitary Sewer—Marion St.	279.87	B-1495

(g) & (c) & (i)	Port Arthur, City of	Amendment to Board's Order of December 11th, 1942—Additional expenditure for Plank Sidewalk—High St.	141.61	B-1550
(g) & (c) & (i)	Port Arthur, City of	Amendment to Board's Order of August 17th, 1943—Additional expenditure for construction of Sanitary Sewer—Grenville Ave.	237.13	B-2064-b
(g) & (c) & (i)	Port Arthur, City of	Amendment to Board's Order of August 17th, 1943—Additional expenditure for Sidewalk—Banning St.	884.11	B-2064-d
	Port Arthur, City of	Construction of Sewers, Sidewalks, Concrete Pavement and Curb and asphaltic Pavement and Concrete Curbs—Adams St., etc. (By-laws No. 2582, 2585, 2584 and 2583)	95,535.00	B-2788-a-b-c
	Port Arthur, City of	Construction and installation of House Sewer Connections during the year 1944	18,000.00	B-2788-d
	Port Colborne, Town of	Construction of Sanitary Sewers and Private Drain Laterals —Johnson St.	3,600.00	B-2567
(a)	Port Credit, Village of	Construction of Watermains—Woodlawn Ave., etc. (Notice of Intention, June 7th, 1944)	2,514.00	B-2818
(a)	Port Credit, Village of	Construction of Watermain—Wanita Rd. (Notice of Intention, Sept. 7th, 1944)	1,823.00	B-3217
(c) & (i)	Preston, Town of	Public School purposes	26,700.00	B-2933
(c) & (i)	Rodney, Village of	Installation of Waterworks System	111,000.00	B-2898
	Romney, Township of	Repair and improvement of Travis Drain	1,250.00	B-2649-a
	Romney, Township of	Repair and improvement of Gahan Drain East	1,524.00	B-2649-b
	Romney, Township of	Improvement and maintenance of Xury Robinson Drain	1,587.00	B-2860
	Romney, Township of	Repair of Coatsworth-Robinson Drain	1,810.00	B-3144
(c)	Romney, Township of	Improvement and maintenance of Liddle Drain	667.00	B-3256
	St. Catharines, City of	Construction of Sewer—Eden Drive (L.I. Petition)	1,130.00	B-867-b
	St. Catharines, City of	Construction of Incinerator	65,000.00	B-2381
(a) & (i)	St. Catharines, City of	Construction of Tile Sewer, Private Drain Connections, Pavement and Curbs and Concrete Curb—Geneva, Carlton and Division Sts. (Work 2(a), Notice of Intention, May 27th, 1943, Works 1-a-b, Notice of Intention, December 4th, 1943, and Works 3-a-b, Notice of Intention, December 4th, 1943)	8,427.00	B-2440 (1-a-b, 2-a & 3-a-b)
	St. Catharines, City of	Grant to Niagara Peninsula Sanitorium	10,000.00	B-2711
(a)	St. Catharines, City of	Construction of certain Local Improvement Works—Wiley St., etc. (Notice of Intention, June 17th, 1944)	49,188.00	B-2834

	St. Thomas, City of	Construction of Curbs, Gutters and driveways—Edward St (L.I. Petition)	520.00	B-2457
	Saltfleet, Township of	Construction of Tile Drains	30,000.00	B-2587
	Saltfleet, Township of	Construction of Watermains—Graigroyston Ave., etc. (L.I. Petition)	13,062.28	B-2881
	Sandwich South, Township of	Repair of Donovan Drain	859.00	B-2576-a
	Sandwich South, Township of	Repair of Malden Road Drain	3,563.16	B-2576-b
	Sandwich South, Township of	Repair of Twelfth Line and South Talbot Road Drain	2,186.00	B-2576-c
	Sandwich South, Township of	Repair and improvement of Donovan Drain	922.00	B-2829
	Sandwich South, Township of	Repair of Wolfe Drain	1,667.58	B-2917
	Sandwich South, Township of	Repair of Cahill Drain	2,339.00	B-3097
	Sandwich South, Township of	Construction of Moore Ward Drain and building access and highway Bridges along and over the said drain	6,082.00	B-3097-b
(g) & (i)	Sarnia, City of	Additional expenditure for erection of Addition to Devine St. School and Equipment therefor	50,000.00	B-2028
	Sarnia, City of	Construction of concrete Curb and Gutter—Cotterbury St. (L.I. Petition)	1,988.00	B-2645
	Sarnia, City of	Construction of combined concrete Curb and Gutter—Conrad St. (L.I. Petition)	3,139.50	B-2682
	Sarnia, City of	Construction of Curb and Gutter—Mackenzie St. (L.I. Petition)	375.00	B-2874
	Sarnia, City of	Construction of combined concrete Curb and Gutter—Cameron St. (L.I. Petition)	2,950.00	B-2902-a
	Sarnia, City of	Construction of concrete Curb and Gutter—Elgin St. (L.I. Petition)	2,519.50	B-2902-b
	Sarnia, City of	Construction of concrete Curb and Gutter—Maria St. (L.I. Petition)	3,071.25	B-2941
(a)	Sarnia, City of	Construction of combined Curb and Gutter—Proctor and Shepherd Streets (Notice of Intention, July 28th, 1944)	4,279.75	B-2942-a-b
(j)	Sarnia, City of	Opening of Cromwell St., etc.	17,675.00	B-2970
(c)	Sarnia, City of	Expenditure for Hospital purposes	7,500.00	B-3008
	Sarnia, City of	Construction of Curb and Gutter—Kathleen Avenue (L.I. Petition)	3,723.00	B-3015
(c)	Sarnia, City of	Erection of Comfort Station and Equipment and Furnishings	25,000.00	B-3269

	Sarnia, Township of	Repair and improvement of Bird Drain	700.00	B-2625
	Sarnia, Township of	Purchase of House and Lot and Repair and Furnishing same for Teacher's Residence, S.S. No. 7	2,500.00	B-2921
	Sarnia, Township of	Construction of Watermain—Lincoln Park Ave. (L.I. Petition)	1,131.10	B-2953-a
	Sarnia, Township of	Repair and improvement of Giffels Drain	2,755.00	B-3011
	Sarnia, Township of	Repair of Seward Drain	1,172.00	B-3112
	Sarnia, Township of	Construction of Watermain—Huron Blvd.	20,800.00	B-3126
	Sarnia, Township of	Repair of McNally Drain	945.00	B-3177
	Sarnia, Township of	Construction of Watermain Extension—Orchard Ave. (L.I. Petition)	1,667.06	B-3213
	Sarnia, Township of	Construction of Watermain—Whitmore Ave., etc. (L.I. Petition)	4,444.80	B-3261
	Scarborough, Township of	Widening of Kingston Rd. as a Local Improvement	17,504.17	B-39
(h) & (i)	Scarborough, Township of	Retirement of unmatured debentures	210,000.00	B-2533
	Scarborough, Township of	Construction of Sidewalk—Wardin Ave. (L.I. Petition)	3,303.50	B-2720
(i)	Scarborough, Township of	Construction of Watermain—Wardin Ave. (L.I. Petition)	138.00	B-2731
	Scarborough, Township of	Construction of Watermains and Lateral Sewers—Manderley Drive, etc. (L.I. Petition)	11,055.89	B-2986
	Seaforth, Town of	Purchase of new Weigh Scale	1,200.00	B-2951
(c)	Shuniah, Municipality of	Erection of Schoolhouse, Improvements to school property and purchase of Furniture, etc.	25,000.00	B-2892
(c) & (i)	Sioux Narrows, Improvement District of	Completion of School building	4,000.00	B-3006
	Sombra, Township of	Repair and improvement of West Otter Creek Drain	5,140.00	B-2406
	Sombra, Township of	Repair of Annett Drain	2,009.00	B-2495-a
	Sombra, Township of	Repair of McCallum Drain	1,229.00	B-2495-b
	Sombra, Township of	Repair and improvement of Burch Drain	868.00	B-2545
	Sombra, Township of	Repair and improvement of Pacific Drain	2,089.00	B-2830-a
	Sombra, Township of	Repair of Sterling Drain	703.00	B-2830-b
	Sombra, Township of	Repair and improvement of Anderson Drain	597.00	B-2889-a
	Sombra, Township of	Repair and improvement of Arnold No. 1 Drain	604.00	B-2889-b
	Sombra, Township of	Repair and improvement of Reid Drain	2,012.00	B-2889-c
	South Dorchester, Township of	Construction of Wellington Shively Drain	1,185.00	B-3070

(c)	Stamford, Township of	Erection of three-room Addition to Falls View Consolidated School	16,500.00	B-2839
	Stamford, Township of	Construction of Sewer—Barker St. (L.I. Petition)	1,321.00	
		Watermain—Barker St. (L.I. Petition)	1,407.72	B-2936-a-b
	Stamford, Township of	Construction of Watermain—Virginia St. (L.I. Petition)	636.51	B-2971
	Stamford, Township of	Construction of Watermain—Woodbine St. (L.I. Petition)	7,791.90	B-2992
	Stamford, Township of	Erection and equipment of Building to be used as central heating plant at High School	10,000.00	B-3044
	Stamford, Township of	Purchase of Fire Engine with necessary appliances for Fire Area No. 2	14,000.00	B-3279
	Stephen, Township of	Repair of Ryan Drain	2,383.00	B-2475-a
	Stephen, Township of	Repair of Gainer Drain	1,915.00	B-2475-b
	Stephen, Township of	Construction of Khiva Drain	8,585.00	B-2876-a
	Stephen, Township of	Construction of Webb Drain	2,560.00	B-2876-b
	Stoney Creek, Village of	Construction of Watermain—First Ave. (L.I. Petition)	800.00	B-2972
	Sunnidale, Township of	Wasaga Beach Drain	3,032.00	B-2418
	Sudbury, City of	Construction of Sanitary Sewers—McNaughton St., etc. (L. I. Petition)	14,298.00	B-2708-a-b
	Sudbury, City of	Construction of Concrete Walks—Patterson St., etc. (L.I. Petition)	21,429.00	B-2709
	Sudbury, City of	Construction of Watermains—Whittaker St., etc. (L.I. Petition)	7,409.28	B-2710
	Sudbury, City of	Construction of certain Local Improvement works— Lane 1st west of Shaughnessy St., etc. (L.I. Petition)	6,234.72	B-2918-a-c
	Sudbury, City of	Construction of Sanitary Sewers and Watermains—Griffith St., etc. (L.I. Petition)	4,461.81	B-3131-a-d
	Sudbury, City of	Construction of Sanitary Sewer System and Pumping Station to serve Agnes St., etc. (L.I. Petition)	18,758.00	B-3149
(a)	Swansea, Village of	Purchase from City of Toronto of Watermain—Ellis Ave., and construction of Hydrants, etc. (Notice of Intention, October 21st, 1943)	11,500.00	B-2323
	Swansea, Village of	Construction of Asphaltic Pavement with Curb and Gutter —Olympus Ave. (L.I. Petition)	1,500.00	B-2547
	Swansea, Village of	Construction of Pavement—Harcroft Rd. (L.I. Petition)	7,700.00	B-2548
	Swansea, Village of	Construction of Storm Sewer—Willard Gardens	1,000.00	B-2769

Swansea, Village of	Construction of Grading, Watermain and Sanitary Sewer (with house connections)—Ellis Gardens (L.I. Petition)	4,485.00	B-2815-a-b-c
Swansea, Village of	Construction of Asphalt Pavement, etc.—Brule Gardens (L. I. Petition)	26,850.00	B-2880-a
Swansea, Village of	Construction of Asphalt Pavement, etc.—Brule Crescent (L. I. Petition)	13,000.00	B-2880-b
Swansea, Village of	Construction of Sanitary Sewer—north side of lane between Bloor St. and Larkin Ave.	2,050.00	B-2890-a
Swansea, Village of	Construction of Sanitary Sewer—Windermere Place with house connections (L.I. Petition)	1,180.00	B-2890-c
Swansea, Village of	Construction of Sanitary Sewer with house connections — east side Southport Rd. (L.I. Petition)	4,680.00	B-2937
Swansea, Village of	Construction of Sanitary Sewer—west side Grenadier Ravine Drive (L.I. Petition)	875.00	B-2981
Swansea, Village of	Reconstruction of gravel road with plank curb—Riverside Crescent (L.I. Petition)	3,425.00	B-3203
Thorold, Township of	Construction of Sidewalk—Davis St. (L.I. Petition)	1,705.24	B-2485
Thorold, Township of	Construction of Watermain—Clare Ave. (L.I. Petition)	1,586.08	B-2990
Tilbury East, Township of	Construction of Goulet Drain and Branch	1,578.00	B-2544
Tilbury East, Township of	Repair of upper portion of Hickey Drain	898.00	B-2636
Tilbury East, Township of	Repair of McGregor Drainage Works	910.00	B-2729-a
Tilbury East, Township of	Repair of Dauphin Drainage Works	1,966.00	B-2729-b
Tilbury East, Township of	Repair of Clark Drain	1,041.00	B-2729-c
Tilbury East, Township of	Repair and improvement of Carless Drain	2,971.70	B-2909-a
Tilbury East, Township of	Repair and improvement of Chalmers Drain No. 2	1,073.31	B-2909-b
Tilbury East, Township of	Construction of Reaume Peltier Protective Banks	1,468.00	B-2909-c
Tilbury East, Township of	Expenditure to aid in construction of Tile, Stone or Timber Drains	200,000.00	B-2955
Tilbury North, Township of	Repair and improvement of the 18-19 Sideroad Drain	295.00	B-1510
Tilbury North, Township of	Repair and improvement of North Townline Drain	2,053.93	B-2726-a
Tilbury North, Township of	Repair and improvement of Rosalie Robert Drain	920.00	B-2726-b
Tilbury North, Township of	Cleaning out, deepening and improving Levasseur Drain	931.00	B-2817
Tilbury North, Township of	Improvement of Phaneuf Drain	986.00	B-3122-a
Tilbury North, Township of	Improvement of Holland Drain	1,376.00	B-3122-b
Tilbury North, Township of	Construction of Drainage Protection Bank along the		

		Thames River	1,951.00	B-3185
(a) & (e)	Timmins, Town of	Construction of Sanitary Sewers—Hart St., etc. (Notice of Intention, Sept. 21st, 1944)	15,200.00	B-3207
	Tiny, Township of	Construction of Addition to Public School No. 6	3,000.00	B-2863
	Toronto, City of	Construction of Pavements—Strathgowan and Mulock Aves. and Curbing—Mulock Ave. (L.I. Petition)	10,127.00	B-2392
(b)	Toronto, City of	Construction of certain Local Improvement Works—Pavement—Banff Road, etc.	98,446.00	B-2459 & B-2459-a
	Toronto, City of	Construction of Watermain—Maybank Ave.	1,776.00	B-2462
(j)	Toronto, City of	Rehabilitation of south building of Riverdale Isolation Hospital	82,030.00	B-2494
	Toronto, City of	Construction of Pavement—Mount Pleasant Rd. (L.I. Petition)	76,766.00	B-2606-1
	Toronto, City of	Construction of Pavement—Elwood Blvd. and Sidewalks—Woburn Ave.	26,152.00	B-2606
	Toronto, City of	Construction of Pavement—Cleveland Ave.	13,126.00	B-2623
	Toronto, City of	Construction of Sidewalk—Sheldrake Blvd.	499.00	B-2624
(b)	Toronto, City of	Construction of Pavements—Folkes St., etc. and Sewer—Hammond Place	37,377.00	B-2657
	Toronto, City of	Construction of Sidewalk—St. Hilda's Ave.	348.00	B-2697
(j)	Toronto, City of	Building Grant to Runnymede Hospital	130,171.00	B-2702
	Toronto, City of	Construction of Sidewalk—Forman Ave.	559.00	B-2763
	Toronto, City of	Construction of Pavements — Mowat Ave. and Montclair Ave. and Sidewalk—Maclennan Ave.	40,037.00	B-2833, 1-4
	Toronto, City of	Construction of Sidewalk—Hamlock St.	614.00	B-2841
	Toronto, City of	Construction of Pavement—Booth Ave.	42,352.00	B-2916
	Toronto, City of	Construction of Pavement— Ronan Ave. and Sidewalks — Avenue Rd. and Rathnally Ave. and diversion of Maybank Ave.	14,060.00	B-2925, 1-4
(j)	Toronto, City of	Building Grant to Infants' Homes Limited	10,000.00	B-3019
(j)	Toronto, City of	Further building Grant to Wellesley Hospital	150,000.00	B-3020
(j)	Toronto, City of	Construction of Sewer—St. Alban's St.	14,350.00	B-3021
(k)	Toronto, City of	Certain expenditures not provided for in estimates—Assessment Department, etc.	102,247.00	B-3027
(k)	Toronto, City of	Certain expenditures not provided for in estimates—Sundries,		

		Toronto Family Court, etc.	23,455.00	B-3150
	Toronto, City of	Construction of Revenue Watermain—Carus Ave.	450.00	B-3169
(k)	Toronto, City of	Expenditures not provided for in estimates— Repairs to Dock at Hanlan's Point, etc.	14,600.00	B-3204
	Toronto, City of	Construction of Sewer and Watermain—Hertle Ave.	8,035.00	B-3212, 1-2
(k)	Toronto, City of	Expenditures not provided for in estimates— Firemen's, Widows' and Orphans' Death Benefits, etc.	54,027.00	B-3229
(k)	Toronto, City of	Expenditures not provided for in estimates—Veterans' Clubhouses (taxes), etc.	118,939.00	B-3247
(k)	Toronto, City of	Expenditures not provided for in estimates—Works Department, etc.	54,958.00	B-3284
(k)	Toronto, City of	Expenditures not provided for in estimates—Grant to Society for Crippled Civilians, etc.	119,650.00	B-3306
(a)	Toronto, Township of	Construction of Watermains—First Street, etc. (Notice of Intention, Feb. 10th, 1944)	6,456.96	B-2493
	Trafalgar, Township of	Construction of Watermains—on Eighth Line (L.I. Petition)	20,800.00	B-2980-a-b
	Trafalgar, Township of	Construction of Watermain — Queen Elizabeth Highways (L.I. Petition)	6,500.00	B-3068
(f) & (i)	Wallaceburg, Town of	Extensions to Waterworks System	180,000.00	B-2458
	Waterloo, Township of	Construction of Tutus Kolb Drain	4,276.97	B-2375
(c)	Waters, Township of	Purchase of site and erection of School House and Equipment therefor	3,600.00	B-3208
	Welland, City of	Paving of Hellems Ave.	12,934.30	B-1311
(m)	Welland, City of	Construction of Arena as unit of the Welland-Crowland Health and Recreational Centre	50,000.00	B-2641
(a)	Welland, City of	Construction of Pavement — Elm St. (Notice of Intention, June 5th, 1944)	49,337.00	B-2975
	West Gwillimbury, Township of	Repair of Holland Marsh Drainage Works	29,600.00	B-2374
	West Luther, Township of	Improvement of a portion of Municipal Drain No. 28	2,488.60	B-2932
(a)	Westminster, Township of	Construction of Sanitary Sewer — Holborne St. (Notice of Intention, Feb. 17th, 1944)	518.00	B-2377
	Westminster, Township of	Construction of Elliott-Laidlaw Drain	4,300.00	B-2378
	Westminster, Township of	Construction of Sidewalk—Lambeth Ave. (L.I. Petition)	1,700.00	B-2894

	Westminster, Township of	Construction of Watermains—Paddington Ave. and Tecumseh Ave. (L.I. Petition)	2,675.00	B-3012
(c)	West Nissouri, Township of	Erection of Public School—P.S.S. No. 1	5,500.00	B-3167
(a)	Weston, Town of	Construction of Sanitary Sewer—Ellis Ave. (Notice of Intention, Nov. 11th, 1944)	3,950.00	B-3263
	West Williams, Township of	Construction of Davidson Drain	1,867.00	B-2453
	West Zorra, Township of	Repair of "W. R. Munro Drain"	1,351.40	B-2372
(c) & (i)	Widdifield, Township of	Addition to Public School—O'Brien St.	7,000.00	B-2809
	Winchester, Township of	Improvement, deepening and maintenance of McLean Drain	3,888.91	B-2421
	Woodstock, City of	Construction of Pavement—Fyfe Ave. and Sanitary Sewers—Cedar St. and Main St. (L.I. Petition)	3,627.00	B-3003-a-b-c
	Woodstock, City of	Construction of Sanitary Sewer—Finkle St. (L.I. Petition)	200.00	B-3198
(a) & (e)	York, Township of	Construction of Service Sewers—Cameron Ave. (Notice of Intention, June 16th, 1943)	4,436.00	B-1987-a
(h) & (i)	York, Township of	Retirement of unmatured debentures	1,500,000.00	B-2395
(a)	York, Township of	Construction of Sidewalks—Gilbert Ave., etc. and Curbing and Gutter—Winnett Ave. (Notice of Intention, May 5th, 1944)	12,201.00	B-2684-a-i
(h) & (e) & (i)	York, Township of	Retirement of unmatured debentures	8,750,000.00	B-2797
(a)	York, Township of	Construction of combined Storm and Sanitary Sewer — Haverson Blvd. and Blackthorn Ave. (Notice of Intention, Sept. 2nd, 1944)	3,365.00	B-3017
	Zone, Township of	Repair of Gordon Hodge Drain	559.00	B-3286-a
	Zone, Township of	Repair of Brewer Drain	578.00	B-3286-b

VALIDATION OF DEBENTURE BY-LAWS

(Section 64 of Part IV of "The Ontario Municipal Board Act")
(Capital Expenditure Approved prior to 1944)

Municipality	By-law No.	Purpose	Amount	Procedure File
Barton, Township of	1903	Certain Local Improvement Works (and By-laws Nos. 1901, 1894, 1898 and 1893 thereby consolidated)	10,868.87	B-3071
Cache Bay, Town of (Roman Catholic Separate School S.S. No. 1)	9	Purchase of site and erection and equipping a School House	15,000.00	B-2806
Fort William, City of	3893	Certain Local Improvement Works (under By-laws Nos. 3890, 3891 and 3892)	26,604.00	B-1858-a-b-c
Galt, City of	3486	City's share of expenditures incurred by Grand River Conservation Commission	55,000.00	B-2315
Grantham, Township of	809	Construction of Orchard Park Sewer (as amended by By-law No. 813)	63,174.35	B-1253
Kingston, City of	194	Water Supply (as amended by By-laws Nos. 294 and 302)	202,500.00	A-8714-a
Kingston, City of	139	Alterations and extensions to Waterworks Pumping Station (as amended by By-law No. 303)	30,000.00	A-9814
Kingston, City of	285	Purchase of aerial ladder fire truck	20,000.00	B-2138
Kitchener, City of	2863	Certain Local Improvement Works	5,097.14	B-2491
Leaside, Town of	871	Certain Local Improvement Works	15,838.35	B-2717
Leaside, Town of	874	Owner's share of cost of certain Local Improvement Works	13,339.81	B-2800
Neebing, Municipality of	615	Construction and equipment of Public S.S. No. 1	8,000.00	B-2290
Oakland, Township of	552	Erection and equipment of School Building S.S. No. 2—additional amount	3,500.00	B-1564
Ottawa, City of	9281 9282 9283	Local Improvement Works	54,200.00	B-3072
Port Arthur, City of	2586	Plank Sidewalk—High St.	1,011.61	B-3161
Port Arthur, City of	2596	Certain Local Improvement Works (and By-laws Nos. 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594 and 2595 thereby consolidated)	32,795.86	B-3162
Port Arthur, City of	2597	House Sewer connections—1943	13,274.48	B-3163

Port Arthur, City of	2601	Certain Local Improvement Works (and By-laws Nos. 2598, 2599 and 2600 thereby consolidated)	9,439.58	B-3164
Rockcliffe Park, Village of	44-1	Construction of sewer—Greene Ave.	1,500.00	B-2266
St. Catharines, City of	4892	Certain Local Improvement Works (as amended by By-law 4904)	32,067.50	B-2824
St. Catharines, City of	1261	Construction of watermains—Adeline and Glennie Sts.	4,033.80	B-391
Saltfleet, Township of	1300	Addition to School House, S.S. No. 2	9,642.00	B-2095
Saltfleet, Township of	1296	Addition to School House, S.S. No. 5	17,267.19	B-2068
Sandwich South, Township of	918 (as amended by 926)	Certain drainage works (and By-laws Nos. 877, 888, 899, 900, 901, 903, 915 and 916 thereby consolidated)	16,727.62	B-2964
Sarnia, City of, Board of Trustees of Roman Catholic Separate Schools	4	School purposes	150,000.00	B-2585
Scarborough, Township of	3234	Construction of certain works (and Consolidating By-laws Nos. 3234, 3095, 3097 and 3190 as amended respectively by By-laws Nos. 3227, 3228, 3229 and 3226)	69,320.32	B-2731

MISCELLANEOUS

AMALGAMATION OF TOWNSHIPS

(Section 23 of "The Municipal Act"),
(As Re-enacted by O.S. 1939, C.30, s. (2))

Municipality		**Procedure File**
Minden, Township of	Amalgamation of Townships of Anson and Hindon and Minden	B-1670

ANNEXATIONS

Section 20 of "The Municipal Act"

Municipality		**Procedure File**
Burlington, Town of	Annexation to of certain lands in Township of Nelson	B-2515
Galt, City of	Annexation to of part of sub-division Lot No. 1, East of Grand River in 10th Concession, Township of North Dumfries, County of Waterloo (32 acres)	B-2385
Peterborough, City of	Annexation to of part of Township of North Monaghan	B-2423
Wallaceburg, Town of	Annexation to of part of Township of Chatham (Heinz Parcel)	B-2660
Wallaceburg, Town of	Annexation to of part of Township of Chatham (Wartime Housing Parcel)	B-2660
Wallaceburg, Town of	Annexation to of part of Township of Chatham (West Forham Street Area) and also approval of agreement regarding adjustment of assets and liabilities between the said Corporations	B-2660

Section 17 of "The Municipal Act"

Chamberlain, Township of	Annexation to of part of Unorganized Township of Pacaud, being the south half of Concession No. 1	B-2488
Chamberlain, Township of	Annexation to of part of Unorganized Township of Marter, being Lot 12, Concession No. 1	B-2887

Section 23, subsection 8, Clause (e) of "The Municipal Act" as amended in 1939

Peterborough, City of	Granting full election and franchise privileges to the Electors of the annexed districts of North Monaghan Township	B-2423

ARBITRATIONS

"The Niagara Parks Act" (R.S.O. 1937, C.93) and
"The Public Works Act" (R.S.O. 1937, C.54)

Clayton W. Dean and The Niagara Parks Commission	Claim for compensation for damages arising out of the expropriation by the Niagara Parks Commission of part Lot 22, Township of Niagara	B-2637

ASSESSMENT APPEALS

Chartered Trust & Executor Company and City of Toronto	B-2199
Gordon Mackay & Company, Ltd., and City of Toronto	B-2247
Passchendale Buildings, Ltd., and City of Toronto	B-2326
City of Sault Ste. Marie and the Algoma Steel Corporation, Ltd.	B-2434

ASSESSMENTS—FIXED

(Section 405 of "The Municipal Act" as Re-enacted)

Municipality	By-law No.		Procedure File
Cobourg, Town of	....	Cobourg Lumber Co. Ltd.	B-3195
Matilda, Township of	550	Caldwell Linen Mills, Ltd.	B-3140
Morrisburg, Village of	....	Property of George E. Beavers	B-3176
Owen Sound, City of	1145	North Grey Cheese Co-operative Co. Ltd.	B-3224
Owen Sound, City of	1151	Noma Electric Company of Canada, Ltd.	B-3254
Prescott, Town of	....	Canadian Paper Can and Tube Company, Ltd.	B-2754
Renfrew, Town of	....	Renfrew Machinery Company, Ltd.	B-2787
Wallaceburg, Town of	1524	National Pressure Cooker Company of Canada, Ltd.	B-3259

BRIDGES—RELIEF FROM RE-BUILDING

(Section 480, Subsection (9) of "The Municipal Act")

Municipality		Procedure File
Lanark, Township of	"The Floating Bridge" over the narrows joining Clayton and Taylor Lakes on the XII Concession Line of the said Township	B-2430

BY-LAWS

(Approved under Section 59(c) of "The Ontario Municipal Board Act" (R.S.O. 1937, Chapter 60)).

Municipality	By-law No.	Purpose	Procedure File
Bruce, County of	75	Defining the limits of the Village of Lucknow	B-1990

CHANGE OF RATE OF INTEREST ON DEBENTURES

(Section 310 of "The Municipal Act")

Municipality	Debenture By-law No.	Amending By-law No.	Purpose	Rate	Amount	Procedure File
Kingston, City of	165	306	Sewer-Ellerbeck St. and King St.	3¾% to 3%	$4,000.00	B-491
Scarborough, Township of	3081		Sewage Disposal Works	3½% to 3%	49,905.36	B-767
	3095		Sewers	3½% to 3%	9,529.36	B-271-b & A-8983
	3097		Watermains	3½% to 3%	9,367.13	B-271-a & A-8983
	3190		Widening of Kingston Road	3½% to 3%	17,504.17	B-39
Sudbury, City of	2310	2429	School—Wembley Drive	3% to 2¼%	95,000.00	B-1741

DETACHMENT OF FARM LANDS

(Section 21 of "The Municipal Act")

Applicants		Procedure File
M. V. Miller et al of Township of Minto and R. G. Bridge of Township of Wallace	Approval of detachment of lands from Town of Palmerston and annexation thereof to respective Townships in which they were formerly situated	B-2185

DISPENSATION OF VOTE OF ELECTORS

(Section 69 of "The Ontario Municipal Board Act")

Municipality		Procedure File
North York, Township of	Authority to dispense with vote of electors in respect to proposed By-law No. 3599—creation of transportation area within the Township	B-2496

EXTENSION OF TIME TO PASS DEBENTURE BY-LAWS

(Section 297, Subsection (5) of "The Municipal Act")

Municipality	By-law No.	Purpose	Amount	Procedure File
Parry Sound, Town of	865	Grant to Parry Sound General Hospital	20,000.00	B-2734
Peterborough, City of	4401	Grant to Peterborough Memorial Community Centre	75,000.00	B-3265
Peterborough, City of	4403	Peterborough General Civic Hospital and Nurses Residence	600,000.00	B-3266
St. Catharines, City of	4889	Construction of Incinerator	65,000.00	B-2381
Wingham, Town of	1146, 1945	Grant to Wingham General Hospital	15,000.00	B-2808

FUEL—BY-LAWS FOR BUYING, ETC.

(Section 405 (38) of "The Municipal Act")

Municipality	By-law No.	Procedure File
Hawkesbury, Town of	656	B-2433
Owen Sound, City of	1123	B-2404
Renfrew, Town of	1493	B-2369
Sturgeon Falls, Town of	814 (1943)	B-2300
Teck, Township of	1077	B-2300-a

HIGHWAYS—CLOSING OF BY DEPARTMENT OF

(Section 79a of "The Highway Improvement Act")

Municipality		Procedure File
Scarborough, Township of	Road allowance between Lot 1, Con. 1 and Lot 1, Con. 2	
	Road allowance between Lots 2 and 3, Con. 1 Cedarview Drive, Registered Plan 2732 Road allowance between Lots 4 and 5, Con. 1 Where crossed by new divided Highway	B-2286

HIGHWAYS—NARROW

(Section 502 (2) of "The Municipal Act")

Municipality		Procedure File
Huron, Township of	Establishment of highway across Lots 41, 42, 43 and 44, Concession "A" of Lake Range to give access to cottages in the Bruce Beach Subdivision	B-2940
Walpole, Township of	Establishment of highway over part of Lot 19 in the First Concession of the Township	B-2574
(also approved under Section 16 of "The Planning and Development Act")		
West Gwillimbury, Township of	Establishment of highway across Lots 14 and 15, Con. IV, Reg. Plan 855 and across Lot 14, Con. IV and Lot 15, Con. V Reg. Plan 827 for County of Simcoe (Holland Marsh Area)	B-3030

IMPROVEMENT DISTRICTS—ERECTION OF

(Section 44e of "The Municipal Act" as enacted by O.S. 1943, C.16, S.1 and Section 44a, Subsection (3) as enacted by O.S. 1944, C.39, S.5)

District Erected	Composed of	Procedure File
Kingham	Unorganized Townships of Black, Melba and the north half of Con. 4, and all of Con. 5 and Con. 6 of the unorganized Township of Benoit in District of Temiskaming and all of the Township of Cook in the District of Cochrane	B-2927

Kingsford	Township School Area of Township of Kingsford	B-2380
McGeorge and Willingdon	Unorganized Townships of McGeorge and Willingdon	B-2408
Cameron	Township of Cameron and Township School Area	B-2384

INCREASED BORROWINGS BY MUNICIPALITIES

(Section 339 (2) of "The Municipal Act")

Municipality	**Amount**	**Procedure File**
Wellington, County of	100%	B-3096

LEGISLATION SPECIAL

Municipality		**Procedure File**
Grand River Conservation Commission	Approval of certain salaries, expenses or allowances to be paid to the officers and members of the Grand River Conservation Commission—amendment to Board's Order of June 19th, 1939, changing mileage allowances from 5c to 7c per mile ("The Grand River Conservation Act")	A-8226
Toronto, City of	Determination of the portion of cost of construction of temporary pavement on Eglinton Ave. East to be paid by the Township of North York ("The City of Toronto Act, 1943" Section 5)	B-2203
Toronto and Suburban Separate School Board	Approval of exemption from the operation of Act of the Village of Forest Hill ("The Toronto and Suburban Separate School Board Act, 1941")	B-99

LICENSE FEE

(Sections 420 (11) and 423(3) of "The Municipal Act")

Municipality		**Procedure File**
Brockville, Town of	Annual fee of 25c for bicycle	B-1923
Hamilton, City of	Annual fee of 40c for bicycle	B-3268
Prescott, Town of	Annual fee of 50c for bicycle	B-2478

LOCAL IMPROVEMENTS—PART ONLY OF WORK

(Section 18 of "The Local Improvement Act")

Municipality	**Amending By-law**	**Original By-law**	**Procedure File**
Kingston, City of	305	206	B-718-a
Ottawa, City of	9452	9183	B-1101-b

LOCAL IMPROVEMENTS—REDUCTION OF SPECIAL RATE FOR

(Sections 32 (h) and 64 (b) of "The Department of Municipal Affairs Act" as enacted by O.S. 1942, C.9, S.3)

Municipality		Procedure File
North York, Township of	Approval of By-law 3617, cancelling the annual local improvement frontage charges for the widening of Yonge Street	B-2569
North York, Township of	Approval of By-law No. 3618, reducing the special local improvement rate levied for the construction of the Bayview Bridge upon a special Bayview Bridge Area	B-2570

"THE ONTARIO MUNICIPAL BOARD ACT"

(Sections 106 and 107 as re-enacted by O.S. 1939, S.26, s.s.(3))

Approval of Tariff of Fees re retirement of unmatured debentures	B-2402
Approval of Tariff of Fees re cessation of further Sinking Fund levies	B-2492

PLANS (SUBDIVISION), APPROVAL OF

("The Planning and Development Act")

Applicant	Description	Procedure File
Glen Stewart Properties Ltd. and Amedeo Longo	Parts of Block Z and parts of Block Y, Plan M-315, Office of Land Titles, Toronto, and part of Lot 163, and Lot 164, Plan M-467—Plan approved after hearing before Board subject to certain conditions laid down by City of Toronto	B-3146

"THE PLANNING AND DEVELOPMENT ACT", "THE LAND TITLES ACT", AND "THE REGISTRY ACT"—PLANS OF LAND SUBDIVISIONS

Owner	Description	Procedure File
Adanac Realty, Limited	Part Lot 17, Con. II, Northern Division, fronting the Lake, Township Etobicoke, County of York	B-2481
Ames Estate	See "Glen Stewart Properties, Ltd."	
Ala, Eino	Part Lot 18, Reg. Plan 745, Part Lot 14, Con. II, Township of Nipigon, Dist. Thunder Bay	B-3240
Brugeman, (Dr.) Marshall O.	Part Lot 23, B, Weber's Survey, and Part Lot 20, G.C.T. Township of Waterloo, County of Waterloo	B-2551
Bowers, Jas.	Part Lot 37, Concession V, Township Nottawasaga, County of Simcoe	B-2618
Brampton Housing Commission, et al	(Re-arrangement) Lots 38, 39, 40, 41, 42, 43, 79 and 80, Reg. Plan No. A-12, Town of Brampton, County of Peel	B-2658
Blacquier, E. J. Estate of	Part Mining Location 3, Herricks' Survey, (except portions described as Instruments No. S. 5523 and 6821), Township of McIntyre, District of Thunder Bay	B-2706
Beverley Hills, Ltd.	Part Reg. Plan 2044 (York) Township of North York, County of York	B-2780
Benner, A. R. & Roy M. Shirk	Part Lot 10, Concession I, Township of Humberstone, County of Welland	B-3100
Brantford, City of	Part Lot C.W.S. Brant St., City of Brantford (according to map prepared by P. J. Ure, 1892)	B-3298
Cooper, Gordon A.	Part Lot 25, Concession III, N.R. Township of Neebing, District of Thunder Bay	B-2391
Cooper, Benjamin, et al	Part Lot 8, Concession III, Township of North York, County of York	B-2532
Columbrian Rope Co.	Part Lot 18, Concession V, Township Grantham (now in City of St. Catharines) ("George Park Extension")	B-2588
Crosthwaite, H. F.	Part Lot 3, Concession III, Township of Barton, County of Wentworth (now in City of Hamilton)	B-2664
Conklin, W. J. and R. M. Lee	Re subdivision Lots 202, 203, 204, 205 Reg. Plan 110, Lots 9, 10, Reg. Plan 376, Lots 9, 10, 11, 12, 13, 14, Reg. Plan 509, Township Brantford, County of Brant	B-2767
Carr, Wm. S. and James B.	Part Lots 13, 14, Concession B, Township of Medora, Town of Bala	B-2777
Carleton Realty Co. Ltd.	Part Blocks I and J, Reg. Plan No. 186, Township Nepean, County of Carleton	B-2993
Clark, Hastie & James	Part Lot 4, Concession II, Township of North Gwillimbury, County of York	B-3214
Chambers, Dr. H. W. et al	(Re-subdivision) Lots 87-95, 144-148, 150-154, Parts Lots 96, 143, 149 and 155, all J. Harris' Lot and Part Leaming St. (Major Leonard's Plan) and Part original unopened road allowance between Lots 125 and 131, Township of Stamford, County of Welland	B-3270
Edgewood Securities Ltd.	Part South ½ of Lot 19, Concession I west of Yonge St., Township of North York, County of York	B-2670 & B-2674

Eddy, Morton	Part of Smith-Kerby Tract, Township of Brantford, County of Brant	B-3046
Filman, Geo. D.	Part Lots 4, 5, 6, and 7, B. F. Concession, also parcel "A" Sunny Plains Survey, Township of E. Flamboro, County of Wentworth	B-2732
Faris, M. N.	Part of Stewart & Ruggles Tract—Township of Brantford, County of Brant	B-2946
Florida Trust	Part Lot 27, Concession II, Township of Gloucester, County of Carleton	B-3276
Gladman, Julia	Part Lot 22, Concession III, Township of Grantham, County of Lincoln	B-2490
Gristenthwaite, Wm. H.	Part Lot 21, Concession II, Township of Barton (now in City of Hamilton)	B-2643
Gage, Geo. C., Louisa and Ethel I. and John G. Waller	Part Lots 142, Concession III, Township of Barton, County of Wentworth	B-2777
Gallie, Wm.	Parts Lots 43 and 44, Lake Front Concession, Township of Plympton, County of Lambton	B-2786
Glen Stewart Properties Ltd. et al	Parts Block Z and Parts Block Y, Plan 315, Land Titles Office, Toronto	B-3146
Highland Creek, Ltd.	Lots 622 to 653 (inclusive) (Eastview and Part Westview) Reg. Plan 2546, Township of Scarborough, County of York	B-2414
Hardman, W. T. et al	Part Reg. Plans 31, 397 and 515, Township of Brantford, County of Brant	B-2252
Hastings, H. H. H.	See "Toronto and Big Creek Shooting Co. Ltd.	
Hutton, Lorne M.	Lots 45 and 46, Concession II, Township of Ancaster, County of Wentworth	B-2695
Heiber, Fanny	Part Lot 63, Reg. Plan 197 (York), City of Toronto	B-3035
Hazeldean Farm Co. Ltd.	Pts. Lots 8, 9 and 10, Concession A (O.F.) and Part Lot 10, Concession I (O.F.), Township of Nepean, County of Carleton	B-3095
Hendrie & Co. Ltd.	Reg. Plan 259E and Part Reg. Plan 146, City of Toronto	B-3246
Inspector of Legal Offices	Part Lot 23, Concession XII, Township of Collingwood, County of Grey (being part of Village of Heathcote)	B-2553
Jones, Thos. Henry et al	Part Lot 11, Concession I, Meridian Concession, Township of Etobicoke, County of York	B-2497
Jackson, Harry L. B.	Part Lots "E" and "F", Concession 6, Township of Sombra, County of Lambton	B-2920
Kennedy, Ross	Part Lot 34, Concession A, Township of Scarborough, County of York (Hunt Club Property)	B-2503
Kirkup, Roy S.	Lot 4, Concession B, Township of Paipoonge, District of Thunder Bay	B-2559
Kriminsky, Alex et al	Part Lot 16, Concession V, Township of Grantham (now in City of St. Catharines) ("McCalla Gardens")	B-2604
Knowles, Gladys et al	Part s. ½ Lot 19, Concession I, west of Yonge St., Township of North York, County of York	B-2674
Knowles, Gladys et al	Part Township Lot 19, Concession I west of Yonge St., Township of North York, County of York	B-2904

Knudsen, Gunner	Part Lot 15, Reg. Plan 435 (York), Township of East York, County of York	B-3051
Knowles, Gladys et al	Part Lot (Township) 19, Concession I, west of Yonge St., Township of North York, County of York	B-3052
Leamington, Town of	Part Lot 5, Concession II (formerly Township of Mersea) now in Town of Leamington, County of Essex	B-2407
Lands & Forests, (Ont.) Dept. of (Surveys Branch)	Lots 1-13 (both inclusive) on West Government Lake, Township of Lessard, District of Algoma	B-2468-a
Lands & Forests, (Ont.) Dept. of (Surveys Branch)	Lots 1 to 16 (both inclusive) on Cree Lake, Township of Haig, District of Algoma	B-2468-b
Lands & Forests, (Ont.) Dept. of (Surveys Branch)	Part Block B., Plan 68, at Hornepayne, Ont., Township of Wickstead, District of Algoma	B-2740-a
Lands & Forests, (Ont.) Dept. of (Surveys Branch)	Summer Resort Lots on East Government Lake in Lot 27, Concession II and III and Lot 28, Concession II, Township of Wickstead, District of Algoma	B-2740-b
Lands & Forests, (Ont.) Dept. of (Surveys Branch)	Surface rights only, of parts Mining Claims T.B. 12025 and 10878 (parcel 7032 T.B.F.) and parts Mining Claim T.B. 10865 (parcel 37 Geraldton Freehold) Town of Geraldton, District of Thunder Bay	B-2743
Lee, R. M. and Conklin, W. J.	Subdivision Lots 202, 203, 204 and 205 Reg. Plan 110, Lots 9 and 10, Reg. Plan 376, Lots 9, 10, 11, 12, 13, and 14, Reg. Plan 509, all in Township of Brantford, County of Brant	B-2767
Leamington Golf and Country Club Ltd.	Part first part of W. ½ Lot 10, B. F. Concession, Township of Mersea	B-2853
Legal Offices, Inspector of	Part Lot 24, Concession VI, Township of St. Vincent, County of Grey	B-3024
Legal Offices, Inspector of	Part Lot 25, Concession VI, Township of St. Vincent, County of Grey	B-3024
Lafrance, J. A.	Part Lot 25, Concession I, Township of Nepean, County of Carleton	B-3264
Mitchell, Henry G.	Part Lot 16, Concession IX, Lot 1, Reg. Plan 175, Township of Whitchurch, County of York	B-2673
MacKillop, O. M. and Osmond L. Wright	Part Plan 473, Village of Richmond Hill, County of York	B-2978
Mann, Allan Braden	Part Lot 13, Concession VIII and Part Lot 4, Block "A", Reg. Plan 250, and Part private lane being Part Lot 12, Concession VIII and Part road allowance between Lots 12 and 13, Concession VIII, Township of Smith, County of Peterborough	B-2974
Mulhern, John	Part Lot 98, Township of Stamford, County of Welland	B-3181
McIntyre, Margaret T. et al	Part Lot 42, Front Concession, Township of- Plympton, County of Lambton	B-2519
McEachren, W. H. C.	Part Lot 5, Range 1, Kingsmill Reserve, Township of Etobicoke, County of York	B-3239
Niagara Falls, City of	Urban Zone of Part Township Stamford, Part Lots 60 and 73	B-2557

North Park Developments Ltd.	Part Block B, Plan 1250 and Part Lot 5, Concession III West of Yonge St., Township of North York, County of York	B-2891
North York, Township of	Part Block "A", Plan 2525, Township of North York, County of York	B-2982
North York, Township of	Re-division of Part Reg. Plan 2395 (York) Closing and Stopping up of Bantry Avenue (by Judge's Order)	B-3062
North Park Developments Ltd.	Parts Lots 8 and 9, Concession III, Township of North York, County of York	B-3148
North York, Township of Needha	Part Lot 18, Concession I, Township of North York, County of York	B-3155
Needham, E. J. and Susan Fawcett	Block H and Part Block G, Reg. Plan No. 220, City of Brantford	B-3194
Ontario Realty and Security Co. Ltd.	Re-subdivision of Part of the James Kirby Survey (dated Sept. 21st, 1854) being Part Lots 14, 15, 16 and 17, Township of Brantford, County of Brant	B-2465
O'Neil, John	Part North ½ of Lot 3, Concession IV, Township of Garson, District of Sudbury	B-2947
Person, Alex. M.	Parts Lots 23 to 26 (inclusive) Range 5, Reg. Plan 734 York, Village of Forest Hill	B-2422
Price, John G.	13-85 acres lying between Derwyn Rd. and Coxwell Ave., Township of East York, County of York, Lots 4, 5 and 6, Plan 310 (York)	B-2517
Port Arthur, City of	Approval of (sketch plan) showing closing of certain lanes in Block "A", Plan 579, St. James to McVicar Streets—Lots 1-10 (inclusive) etc. (By-law 2537)	B-2685
Pugh, W. A. et al	Parts Lots 13 and 14, Reg. Plan 310, Township of East York, County of York	B-2728
Ratcliffe, E. B.	Part Lot 1, Concession IV, Township of Barton, County of Wentworth	B-2870
Rieux, J.	Part Lot 4, Concession II, Township of Fox, District of Cochrane (at Norembega)	B-3133
Stamford, Township of	Urban Zone of City of Niagara Falls—Part Township Lots 60 and 73	B-2557
Synod (Incorporated) of Diocese of Toronto	Parts Lots 15 and 16, Reg. Plan 310, Township of East York, County of York	B-2719
Synod (Incorporated) of Diocese of Toronto	Part Lot 4, Reg. Plan 310 (York) Township of East York, County of York	B-2742
Sudbury, City of	Subdivision Part south ½ Lot 5, Concession III, Township of McKim (now in City of Sudbury)	B-2773
Salter, Harry	Part Lot 34, Concession "A", Township of Scarborough, County of York	B-2775
Sears, C. B.	Part Lot 9, Concession I, from the Bay, Township of York, County of York (now in City of Toronto)	B-2823
Schneider, Ralph F. and Violet	Farm Lots 15 and 16, Concession W. of Lake Road, Township of Hay, County of Huron	B-2835
Sharp, Robt. and Alex.	Part Lot 14, Concession IV, Township of Barton, now in City of Hamilton ("Tweedsmuir Park Addition")	B-2857

Stephens, E. T. Ltd.	Part Lot 26, Concession I, Township of Vaughan	B-2896
Stroud, Village of	Parts Township Lots 15, 16 and 17, Concession IX, and Parts Lots 15 and 16, Concession X, also Reg. Plan No. 204, Township of Innisfil. County of Simcoe	B-3168
Sicard, Celina	Lot 7, Concession V, Township of Merritt, District of Sudbury	B-3273
Toronto and Big Creek Shooting Co. Ltd.	Part Lots 10, 11, 12 and 13 in front of Concession "A", Township of South Walsingham, County of Norfolk (addition to Long Beach Resort)	B-2477
Towe, Esther	Approval of Deed, dated May 29th, 1944, to Russell R. Smith of Part Lots 15 and 16, Concession III, Township of London, County of Middlesex	B-2680
Taylor Estates Ltd.	Part Block F, Reg. Plan 2891, Township of East York, County of York	B-2748
Tomlinson, Herbert Roy, et al	Part Lot 14, Concession II and III and road allowance — Township of North Gwillimbury, County of York	B-2985
Tyson, A. E.	Surface right only, Part Mining Claim T.B. 26526, Township of Ashmore	B-3023
Thomas, H. E.	Part Lot 10, Concession II West of Yonge St., Township of North York, County of York	B-3147
Toronto Land Corporation Ltd.	Parts Lots 6 and 12, Plan 1259 (York) Township of Etobicoke, County of York	B-3231
Toeppner, D. J.	Part Lot 3, Concession 25, Township of Himsworth North, District of Parry Sound	B-3275
Trudel, Florida	Part Lot 27, Concession II, Ottawa Front, Township Gloucester, County of Carleton	B-3276
Thomas, H. E.	Part Lot 10, Concession III West of Yonge St., Township of North York, County of York	B-3282
Upper Canada Estates Ltd.	Part Lot 4, Concession II, West of Yonge St., Township of North York, County of York	B-2789
Verhelst, Camille	Block One, Plan 26, being a subdivision of Lot 26, Concession I, Ottawa Front, Township of Gloucester	B-3238
Wartime Housing Ltd.	"Beaver Park Addition" Part Lot 24, Concession VI, Township Crowland, County of Welland, now in City of Welland	B-2617-a
Wartime Housing Ltd.	"Bemis Park" Part Lot 23, Concession VI, Township of Crowland, County of Welland	B-2617-b
Wartime Housing Ltd.	"Churchill Park Addition" Part Lot 173, Township of Stamford, County of Welland	B-2617-c
Wartime Housing Ltd.	"Heximer Park Addition" Part Lots 161 and 162, Township of Stamford, County of Welland	B-2617-d
West Parkroad Realty Co. Ltd.	Part Lot 4, Concession III, West of Yonge St., Township of North York, County of York	B-2650
Wartime Housing Ltd.	Part Lot 27, Concession III, Township of McDougall and Part Lot 25, Concession III, now in Town of Parry Sound, District of Parry Sound	B-2744
Waites, R. K. Construction Co., Ltd.	Part Lot 10, Concession III, West of Yonge St., Township of North York, County of York	B-2745

Waller, John G. and Geo. C. and Louisa and Edith I. Gage	Part Lots 1 and 2, Concession III, Township of Barton, County of Wentworth	B-2777
Wehenkel, A. D.	Reg. Plan 1427, being Part Lots 5 and 6, Concession I, Township of Mersea, County of Essex (re-subdivision)	B-2790
Wartime Prices, Ltd.	Part Lot 23, Concession II, Township of Kingston, County of Frontenac ("Kingston Heights Addition")	B-2967
Westacres Limited	Part Lot 2, Concession 4, West of Yonge St., Township of York, County of York	B-2976
Westacres Limited	Part Lot 2, Concession 4, West of Yonge St., Township of York, County of York	B-2977
Wartime Housing Ltd.	"Imperial Park" Lots 4228, 4229, 4230 to 4240, 4252 to 4256, 4294 to 4298 and Part Lot 4225 (Plan No. 2) City of St. Catharines, County of Lincoln	B-3125-a
Wartime Housing Ltd.	"Queen Victoria Park" Part Lot 14, Concession V, Township of Grantham (now in City of St. Catharines), County of Lincoln	B-3125-b
Wartime Housing Ltd.	"Daly Park" Part Lots 15 and 16, Concession V, and re-subdivision of Lot 5 and Part Lots 4, 3 and 2, Range 2, Rolls Plan No. 17 and Lots 1-12 and Part 7 and 8, south side Charles St. and 2, S. and Part 1, 4, 5, 6 and 7, north side Walnut St. and part Charles St. (Rolls Plan No. 4) City of St. Catharines, County of Lincoln	B-3125-c
Westacres Limited	Part Lot 2, Concession IV, West of Yonge St., Township of York, County of York	B-3139
Wallace, John Thomas	Lot A and Part Lots 39, 40, 41 and 42, Reg. Plan 110a, City of Brantford and Lot 250 Reg. Plan 544, Township of Brantford, County of Brant	B-3196
Woodgates, Harold	Lots 89-95 (inclusive) Lot 113 and Part Lots 96, 131, 132 and 115-121 (inclusive) and Part of Spruce St. (Geneva Gardens Plan No. 139) City of St. Catharines, County of Lincoln (known as "The Spruce Street Plan")	B-3277

REDEMPTION CLAUSE—APPROVAL OF IN DEBENTURE BY-LAWS

(Section 305 (15) (d) of "The Municipal Act")

Municipality	By-law No.	Purpose	Amount	Procedure File
Kingston, City of	165	Extension to Sewage System, Princess St. (as amended by By-law No. 306)	7,000.00	B-491
Port Arthur, City of	2586	Construction of Plank Sidewalk—High St.	1,011.61	B-3161
Port Arthur, City of	2596	Certain Local Improvement Works— (and By-laws Nos. 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594 and 2595, thereby consolidated)	32,795.86	B-3162
Port Arthur, City of	2597	House Sewer Connections in 1943	13,274.48	B-3163
Port Arthur, City of	2601	Certain Local Improvement Works (and By-laws Nos. 2598, 2599 and 2600, thereby consolidated)	9,439.58	B-3164

RESTRICTED AREAS—ESTABLISHMENT OF

(Section 406 of "The Municipal Act" as Re-enacted by O.S. 1941, C.35, S.13)

Municipality	By-law No.	Area Restricted	Procedure File
Barrie, Town of	1498	(As amended by 1499 Zoning By-law)	B-2327
Brantford, Township of	2269	Area known as "the Bennett Park Survey"	B-2555
Brockville, Town of	C.180	Construction of buildings in Section of East Ward	B-2514
Etobicoke, Township of	6391	Residential area on east side of Islington Avenue	B-1976
Etobicoke, Township of	6437	Area described as Burnhamthorpe East	B-2444
Etobicoke, Township of	6441	Establishing restricted area— Burnhamthorpe West	B-2446
Etobicoke, Township of	6438	Area described as Humber Bay Area	B-2445
Etobicoke, Township of	6440	Sunnylea Area—south of Bloor St. (as amended by By-law No. 6482)	B-2454
Etobicoke, Township of	6439.	Area defined in Schedule "A" to By-law (as amended by By-law 6511)	B-2619
Etobicoke, Township of	6470	Area defined in Schedule "A" to By-law, use of land and buildings, Regulation of buildings, location of buildings, etc.	B-2620
Grantham, Township of	805	Area adjoining the Glenridge area of the City of St. Catharines	B-2571
Grantham, Township of	810	Glenridge area of Township	B-2995
Forest Hill, Village of	1643	Parts of Eglinton Avenue	B-2426
Forest Hill, Village of	1663	Unimproved portion of Shallmar Blvd. between Rosebury Road and Glenarden Road	B-2523
Fort William, City of	3886	Zoning By-law	B-806
Kingston, City of	184	Zoning By-law	B-3041
Leaside, Town of	873	Building restrictions—Eglinton Avenue	B-2779
Niagara Falls, City of	2510	Use of land or of buildings on certain streets for the pursuit of phrenology, palmistry, fortune-telling or sooth-saying	B-2510
Nipigon, Township of	409	Certain areas defined in the By-law	B-2281
North York, Township of	2787	Area lying north of the south limits of Township extending to Lawrence Ave. between Canadian National Railway right-of-way, Concession III, West of Yonge St. to 150′ west of west limit of Bathurst St. (as amended by By-law 3827 replacing amending By-law 3788)	A-9447
Niagara Falls, City of	3488	Certain areas in the City defined in By-law	B-2586

North York, Township of	3425	Restricting certain areas in Township to private detached dwellings with the necessary outbuildings, schools, churches, golf clubs and country clubs (as amended by By-law 3574)	B-1986
Ottawa, City of	9402	Part of Driveway	B-2750
Ottawa, City of	9403	Tyndall Avenue	B-2751
Riverside, Town of	520	Restricted Zones on Riverside Drive	A-9753
Sandwich East, Township of	1650	Areas as described in By-law (Zoning) (as amended by By-laws Nos. 1669 and 1672)	B-2233
Sudbury, City of	2444	Eyre, Regent St., etc., as set out in Schedules to By-law	B-3084
Tecumseh, Town of	481	Whole Municipality (as amended by By-laws Nos. 483 and 484)	B-2852
Toronto, City of	15997	North Toronto (as amended by By-law No. 16019)	B-2218
Toronto, City of	16031	Moore Park (as amended by By-law 16139)	B-2307
Toronto, City of	16032	Adelaide St., etc., to prohibit Gypsy Fortune Telling	B-2308
Toronto, City of	16059	King Street East—Prohibiting junk yards	B-2357
Toronto, City of	16060	Howard Street—lands abutting on (as amended by By-law No. 16075)	B-2358
Toronto, City of	16082	Poplar Plains Crescent between Avenue Road and the west street line of Rathnally Ave. and its production northerly — private detached residences or single detached duplexes	B-2468
Trafalgar, Township of	530	Gloucester Road, etc.	B-2505
Toronto, City of	16128	Area bounded by Parliament, River, Gerrard and Dundas Streets—detached or semi-detached private dwelling houses	B-2693
Toronto, City of	16201	North side of Merton Street between 1,021′ east of Yonge Street and Mount Pleasant Road	B-3106
Toronto, City of	16202	Either side of Dundas Street East between Mutual and Jarvis Streets	B-3107
Toronto, City of	16227	Prohibiting use of land and buildings for salvage yard and salvage shop purposes in portion of Ward 3 lying south of Bloor Street	B-3221
Weston, Town of	1124	Lots 37-89 (inclusive) Plan M.256 (Toronto)	B-3053
Windsor, City of	443	Area bounded by Seneca St. and alleys east of Byng, north of Tecumseh St. and west of Windermere Road	B-2289
Windsor, City of	459	Parts of Riverside Drive and Wyandotte St.	B-2582
Windsor, City of	462	Turner Road south of Tecumseh Boulevard	B-2718
York, Township of	12387	Areas adjoining Heathdale Road and Windley Avenue	B-2435
York, Township of	12409	Chryessa, Grandville and Lambton Avenues	B-2537
York, Township of	12440	Parts of Dundas Street West and Scarlett Road	B-2661

RESTRICTED AREAS—REPEAL OR AMENDMENT OF

(Section 406 of "The Municipal Act" as Re-enacted by Section 13, Chapter 35, O.S. 1941)

Municipality	Amending By-law No.	Original By-law No.	Areas Affected	Procedure File
East York, Township of	3887	1243	Portions of Broadview Ave. (raising to "Residential" Area)	B-2820
Etobicoke, Township of	6454	6234	Part Lots 35 and 36, Plan 910, n.s. Government Rd. (Lambton Mills)	B-2405
Etobicoke, Township of	6512	6234	Zone 6—Plan 2147	B-2761
Etobicoke, Township of	6513	6234	Zone 6—Plan 2147	B-2762
Fonthill, Village of	314 (1943)	181 (1934)	Lands abutting Cemetery Rd. now Highland Ave.	B-2325
Forest Hill, Village of	1654	1446	Lots 32, 33 and 34 on south side of Briar Hill Ave. and Lots 105, 106, 107 and 108 on north side of Ridelle Ave., Plan 2423	B-2524
Forest Hill, Village of	1712	185	To permit the erection of a duplex house on Lot 142 on the east side of Spadina Rd.	B-3203
Forest Hill, Village of	1643	112	North and south side Eglinton Ave. and 100′ north and south therefrom	B-2426
Fort William, City of	3899	3886	Zoning By-law	B-805
Fort William, City of	3909	3886	Changing classification of certain Zones	B-3037
Kingsville, Town of	903	705	Certain lands on east and west sides of Spence St.	B-2351
Leaside, Town of	578 (as amended by 592)	440	Alteration in the provisions for parking space—School owned by Roman Catholic Episcopal Corporation for Diocese of Toronto	A-8069
London, City of	C.P.-21-194	7191	Use of westerly portion of Lot 20, west side of William Street for a stable	B-2799
North York, Township of	3656	2849 (as amended by 2952)	To permit erection of three dwellings facing Braeside Ave. (in City of Toronto) and one on Hazelmere Ave. (Township of North York) within 7′ of the street line of Hazelmere Ave.	B-2681
North York, Township of	3802	1100 as amended by 1338, 2734 & 3001	Area east of Bathurst Street (described in By-law)	B-3089

North York, Township of	3803	3002 as amended by 3040 and 3117	Area fronting on west side of Bathurst St. between limits of Forest Hill Village and 150′ north of Glenview Ave.	B-3090
Ottawa, City of	9401	6181	Lots 6 and westerly 1′ Lot 5 on southerly side of Brighton Avenue	B-2749
St. Catharines, City of	4907	3224	Permitting an extension to the grocery store premises of Mr. Alex. Wilson at 242 Russell Ave.	B-2882
Stratford, City of	4054	2740	Lots 140, 141, 142, 325 and southerly 92.5′ Lot 324—Canada Company's Survey	B-2752
Sudbury, City of	2387	1942 & 1958	Permitting the use of Lot 180 St. Nicholas Street, East Side, for the purpose of a private Maternity Hospital	B-2677
Sudbury, City of	2421	1942 & 1958	Permitting the use of land as set forth in Schedule "A" for purposes other than that of private detached, semi-detached residence or duplex dwelling	B-2919
Thorold, Town of	1552	1499	Amending the use of land and erection or use of buildings within certain area of the said Town	B-2370
Toronto, City of	16188	15787	Clarendon Crescent	B-1218
Toronto, City of	16089	15810	Erection of storage buildings on the east side of Darling Ave. between Clyde St. and 200′ north	B-1513
Toronto, City of	16189	16031	Rosedale Heights Drive (south side) between Maclennan Avenue and a point 491′ east	B-2307
Toronto, City of	16049	11960 & 11962	Conversion of existing dwelling houses on west side of Admiral Road between Bernard Avenue and point 126′ 10″ north into two or three family apartment houses or the use of such dwelling houses as residences only for newly-blinded soldiers of the present war	B-2361
Toronto, City of	16061	11356	Erection of buildings or additions to existing buildings less than 25′ from east street line of Sherbourne Street between Wellesley and Carlton Streets	B-2359
Toronto, City of	16076	5436	Use of existing buildings on a portion of the west side of Jane Street for light manufacturing purposes	B-2447
Toronto, City of	16074	15624	Conversion of existing dwelling houses on Palmerston Avenue between College and Ulster Streets into three-family apartment houses	B-2448

Toronto, City of	16083	12351	Erection of apartment houses on either side of Poplar Plains Crescent between Avenue Road and the west Street line of Rathnally Avenue and its production northerly	B-2469
Toronto, City of	16088	12621	Use of existing buildings on the south side of St. Clair Avenue West, between Poplar Plains Road and Warren Road for the purposes of medical practitioners or dentists	B-2498
Toronto, City of	16090	6109 & 9285	Erection and use of double duplex dwellings on the west side of Spadina Road between the south street line of St. Clair Avenue West and the south limit of Lot No. 99, Plan No. 930	B-2499
Toronto, City of	16103	5234	Use of land or the erection or use of buildings on the east side of Sorauren Avenue between Wright Avenue and the south limit of No. 215 Sorauren Avenue for the purpose of combined printing and book binding businesses	B-2508
Toronto, City of	16107	9161	Erection and use of factories on lands on the east side of Emerson Avenue between Royce Avenue and the C.P.R. right-of-way	B-2566
Toronto, City of	16109	7734	Use of land or the erection or use of buildings on the east side of Mount Pleasant Road between Manor Road and the south limit of premises No. 611 Mount Pleasant Road for butcher shop purposes	B-2594
Toronto, City of	16116	14579 & 15899	Erection of single duplex dwelling houses on the east side of Oriole Parkway between Kilbarry Road and Oriole Crescent closer to the east street line of Oriole Parkway than the distance presented in the original by-laws	B-2631
Toronto, City of	16117	15860	Permitting the enlargement of the existing factory building at No. 121 Prescott Avenue	B-2632
Toronto, City of	16121	6061	Location of apartment houses on the west side of Wellesley Place	B-2663
Toronto, City of	16140	13289	Permitting enlargement of grocery warehouse at No. 127 Strachan Avenue	B-2755
Toronto, City of	16141	14236	Permitting the extension of the existing factory at No. 2 Lightbourne Avenue	B-2736
Toronto, City of	16149	11474	Use of any existing building on the north side of Bloor Street East between Castle Frank Road and a point 234′ 2″ as a resident physician's office	B-2845

Toronto, City of	16160	15037	Erection and use of single duplex dwellings on a portion of the north side of Davenport Road	B-2848
Toronto, City of	16161	7638	Use of existing buildings on the west side of Triller Avenue between Grafton and Harvard Avenues for rest home and convalescent home purposes	B-2849
Toronto, City of	16182	6436	Erection or use of buildings on the east side of Chester Avenue between Danforth Avenue and the lane first north, for printing business purposes	B-3101
Toronto, City of	16183	7734	Use of existing buildings on the west side of Mount Pleasant Road between Hillsdale Avenue East and a point 100′ more or less farther north for plumber shop purposes	B-3102
Toronto, City of	16184	8880	Erection of duplex dwelling houses on the north side of Lowther Avenue between Madison Avenue and Huron St.	B-3103
Toronto, City of	16190	6754	Use of lands and buildings on Sherbourne Street, west side, between Shuter Street and a point 300′ more or less, farther north, for certain purposes in connection with a supply and building repairs business	B-3105
Toronto, City of	16208	7658	Use of land and the erection and use of buildings on the east side of Sherbourne Street between Dundas Street East and a point 197′ north	B-3186
Toronto, City of	16209	7734	Use of land and existing buildings on the south side of Merton Street between Yonge Street and 1400′ east for the processing and sale of lumber	B-3187
Toronto, City of	16216	7658 & 7989	Erection or use of buildings on the north side of Breadalbane Street between Bay Street and 215′ 6″ east for automotive machine shop and warehouse purposes in connection with garage supply businesses	B-3188
Toronto, City of	16220	15860	Enlargement of existing candy factory building at No. 86 Prescott Avenue	B-3189
Toronto, City of	16228	4629	Use of existing buildings on the east side of George Street between the lane first north of Dundas Crescent and 71′ 10″ north, for photo engraver businesses	B-3222
Toronto, City of	16229	5582	Use, for the duration of the present war, of existing buildings on the south side of Elm Street between St. Patrick Street and Simcoe Street for woodworking and toy plant purposes	B-3223

Toronto, City of	16234	7734	Use of existing buildings on the west side of Mount Pleasant Road between Millwood Road and the north limit of 314 Mount Pleasant Road for laundry receiving purposes	B-3253
Windsor, City of	458	443 (as amended by 452)	Seneca Street, etc.	B-2581
Windsor, City of	468	1229 & 1241 (Town of Walkerville)	Nos. 709 and 810 Devonshire Road	B-2768
Windsor, City of	476	3880 (former City of Windsor)	Use of premises 357 Grove Avenue	B-2911
Windsor, City of	483	3880	Declaring certain highways to be residential streets—Lots 113, 114 and southerly part Lot 115 west side Gladstone Ave., Plan 628	B-3111
York, Township of	12363	12353	Parts of Bathurst Street and Eglinton Ave.	B-2299
York, Township of	12402	11932	Permitting the erection and use of building to be used for the purpose of an Office and Warehouse on Lot 15, Plan 2559, Vaughan Road	B-2507
York, Township of	12403	12056	Lot 44, Baby Point Crescent, Plan 2313	B-2518
York, Township of	12432	12056	Erection of duplex private dwelling on east 45′ of Lot 192 on south side of Baby Point Road, Plan 1582	B-2639
York, Township of	12433	11154	Lot 146, Plan 1741, north side Windley Drive	B-2640
York, Township of	12494	11655, 12349, 12353	Part Block L, Reg. Plan M-514, west side of Bathurst St.—erection of apartment house with private garages	B-3056

SINKING FUNDS—AUTHORITY TO DISPENSE WITH FURTHER LEVY FOR WHERE AMOUNT IN SINKING FUND SUFFICIENT

(Section 321(b) of "The Municipal Act")

Municipality		**Procedure File**
Kingston, City of	Debts as set out in Schedule "A" to By-law No. 310	B-2439
Peterborough, City of	Debts created by By-laws Nos. 1847, 1978, 1979, 2007, 2024, 2631, 2633, 2642, 2677 and 2678 (also approved under Section 321 (a) of "The Municipal Act")	B-2923

SUPERVISED MUNICIPALITIES—REFUNDING PLAN

(Part III of "The Department of Municipal Affairs Act")

Municipality	**Procedure File**
Teck, Township of	B-2794

TOWNS ERECTED INTO CITIES

(Section 19 of "The Municipal Act")

Municipality	**Procedure File**
Cornwall, Town of	B-2513

WARDS, DIVISION OF TOWNSHIP INTO

(Ontario Statutes 1943, C.49, Section 1)

Municipality		**Procedure File**
Tarentorus, Township of	Division into four Wards	B-2556

WEIGH SCALES, AND WEIGHING OF COAL AND COKE

(Section 408 (11) (c) of "The Municipal Act")

Municipality		**Procedure File**
Calvert, Township of	Approval By-law 414— weighing of coal and coke	B-3057
Sarnia, City of	Approval By-law ....— weighing of coal and coke	B-2721

ORDERS ISSUED BY THE BOARD UNDER "THE TELEPHONE ACT"

(R.S.O. 1937, Chapter 261)

		Procedure File
Addison Rural Independent Telephone Company, Limited	Approval of By-law No. 39	B-2428

Addison Rural Independent Telephone Company, Limited	Approval of an increase in the annual charges	B-2560
Adjala, Township of	See Schomberg Telephone Co., Ltd.	B-2413
W. M. Allard (Trustee)	Approval of By-law No. 471 of the Township of Korah	B-3235
Allenford Rural Telephone Company, Limited	Approval of an increase in the annual charges	B-3039
Beardmore Telephone Co., Ltd.	Approval of By-laws Nos. 2, 3, 4, 6, 8	B-2399
Bell Telephone Co. of Canada	See Mallorytown Telephone Co., Ltd.	B-2600
Bell Telephone Co. of Canada	See Township of Mersea	B-2996
Bell Telephone Co. of Canada	See Mord. S. Millard	B-3137
Ben Allen Telephone Co., Ltd.	Approval of telephone charges	B-2531
Blanshard, Township of — Commissioners for Telephone System of	Approval of By-law No. 11 of the Blanshard Municipal Telephone System	B-3218
Blyth, Village of (operating the Blyth Municipal Telephone System)	Authority to invest $1,000 of Depreciation Funds in Dominion of Canada, Seventh Victory Loan	B-3159
Boat Lake Telephone Co., Ltd.	Approval of an increase in the annual charges	B-3225
Bognor Telephone Co., Ltd.	Approval of telephone charges	B-2543
Bracebridge & Northwood Telephone Co., Ltd.	Approval of By-law No. 1	B-2427
Bromley Telephone Association, Ltd.	Approval of By-law No. 2	B-3260
Blyth, Township of—Commissioners for Telephone System of	Order prescribing date for holding annual meeting of System	B-2456
Bruce, Township of (operating Bruce Municipal Telephone System)	Authority to invest $5,000 of Depreciation Funds in Dominion of Canada Sixth Victory Loan	B-2611
Bruce, Township of (operating Bruce Municipal Telephone System)	Approval of purchase of plant and equipment from the Lake Shore Mutual Telephone Co., Ltd.	B-3305
Brudenell, Township of—Commissioners for Telephone System of	Approval of telephone charges	B-2530
Caradoc Ekfrid Telephone Company, Ltd.	Authority to invest $500 of Depreciation Funds in Dominion of Canada Sixth Victory Loan	B-2590
Clarence Telephone Co., Ltd.	Authority to invest $600 of Depreciation Funds in Dominion of Canada Sixth Victory Loan	B-2608
Coldwater, Village of (operating Coldwater Municipal Telephone System)	Authority to invest $500 of Depreciation Funds in Dominion of Canada Seventh Victory Loan	B-3199

Cramahe, Township of — Commissioners for Telephone System of	Approval of telephone charges	B-2930
Crews Telephone Co., Ltd.	Approval of an increase in the annual charges	B-2432
Davis Telephone System	Approval of Traffic Agreement with Radcliffe Municipal Telephone System	B-2724
Desboro Telephone Co., Ltd.	Approval of an increase in the annual charges	B-2420
Desboro-Mooresburg Telephone Co., Ltd.	Approval of an increase in the annual charges	B-2416
Drummond and Elmsley Telephone Co., Ltd.	Approval of By-law No. 1	B-2371
Dunnville Consolidated Telephone Co., Ltd.	Authority to invest $2,000 of Depreciation Funds in Dominion of Canada Sixth Victory Loan	B-2599
Dunnville Consolidated Telephone Co., Ltd.	Authority to expend portion of Depreciation Reserve upon new construction, extensions and additions to System	B-2691
Dunnville Consolidated Telephone Co., Ltd.	Authority to invest $2,000 of Depreciation Funds in Dominion of Canada Seventh Victory Loan	B-3230
East Luther Telephone System	Approval of an increase in the annual charges	B-3242
East Middlesex Telephone Co., Ltd.	Authority to invest $300 of Depreciation Funds in Dominion of Canada Sixth Victory Loan	B-2612
Emily, Township of— Commissioners for Telephone System of	Approval of an increase in the annual charges	B-2500
Fingal Telephone Co., Ltd.	Authority to invest $3,500 of Depreciation Funds in Dominion of Canada Victory Bonds	B-3179
Goderich Rural Telephone Co., Ltd.	Authority to expend $1,000 of Depreciation Funds in repayment of loan, for new construction, and extensions to the System	B-2528
Gosfield North, Township of (operating Gosfield North Municipal Telephone System)	Authority to invest $500 of Depreciation Funds in Dominion of Canada Sixth Victory Loan	B-2633
Grimston Telephone Co., Ltd.	Approval of telephone charges	B-2472
Halton Telephone Co., Ltd.	Approval of By-law No. 1	B-2783
Hopetown Telephone Co., Ltd.	Authority to invest $500 of Depreciation Funds in Dominion of Canada Sixth Victory Loan	B-2577
Howick, Township of — Commissioners for Telephone System of	Order prescribing date for holding annual meeting of system	B-2550
Huron, Township of (operating the Huron & Kinloss Municipal Telephone System)	Approval of the purchase of plant and equipment from the Lake Shore Mutual Telephone Co., Ltd.	B-3283
Ingersoll Telephone Co., Ltd.	Authority to expend portion of Depreciation Funds upon new construction, extensions and additions	B-2644
Ingleside Telephone Co., Ltd.	Approval of By-law No. 1	B-2419

Innerkip Rural Telephone Co., Ltd.	Authority to invest $2,100 of Depreciation Funds in Dominion of Canada Victory Loan	B-2534
Innerkip Rural Telephone Co., Ltd.	See Spring Creek Telephone Co., Ltd.	B-3241
Korah, Township of	See W. M. Allard	B-3235
Lake Shore Mutual Telephone Co., Ltd.	See Township of Huron	B-3283
Lake Shore Mutual Telephone Co., Ltd.	See Township of Bruce	B-3305
La Vallee, Township of (operating La Vallee Municipal Tel. System)	Approval of appointment of Commissioner	B-2501
Lily Creek Rural Telephone Co., Ltd.	Approval of telephone charges	B-2452
London, Township of (operating the London Township Municipal Telephone System)	Authority to invest $1,000 of Depreciation Funds in Dominion of Canada Sixth Victory Loan	B-2541
London, Township of (operating the London Township Municipal Telephone System)	Authority to invest $1,000 of Depreciation Funds in Dominion of Canada Seventh Victory Loan	B-3073
Long Lac Telephones, Ltd.	Approval of By-law No. 173 of Township of Schreiber	B-2396
Long Lac Telephones, Ltd.	Approval of the purchase of the Thunder Bay and Beardmore Telephone Companies, Ltd. Approval of By-law No. 8	B-2397
Long Lac Telephones, Ltd.	Approval of By-laws Nos. 2, 3, 4, 6 and 7	B-2398
Lyndhurst Telephone Co., Ltd.	Authority to invest $600 of Depreciation Funds in Dominion of Canada Seventh Victory Loan	B-3166
McKay, Albert, Roy	See Francis J. McGarry	B-2869
Mallorytown Telephone Co., Ltd.	Approval of sale of system to The Bell Telephone Company of Canada	B-2600
Mallorytown Telephone Co., Ltd.	Approval of By-law No. 32	B-2952
Manvers, Township of — Commissioners for Telephone System of	Approval of an increase in the annual charges	B-2450
McGarry, Francis J.	Approval of Deed Transferring Albert Roy McKay's interest in the Browning Island Telephone Line to Francis J. McGarry	B-2869
Medonte, Township of — Commissioners for Telephone System of	Approval of telephone charges	B-2520
Medora & Wood, Townships of (operating Medora & Wood Municipal Telephone System)	Authority to invest $500 of Depreciation Funds in Dominion of Canada Sixth Victory Loan	B-2607
Mersea, Township of (operating the Mersea Municipal Telephone System)	Approval of the purchase of plant and equipment from The Bell Telephone Company of Canada	B-2996

Millard, Mord. S.	Approval of sale of the Millard Private Line to The Bell Telephone Company of Canada.	B-3137
Noisy River Telephone Co., Ltd.	Approval of telephone charges	B-2666
Northern Telephone Co., Ltd.	Authority to invest $40,000 of Depreciation Funds in Dominion of Canada Sixth Victory Loan, and to expend $2,949.02 upon new construction, extensions and additions to the system	B-2642
Northern Telephone Co., Ltd.	Authority to invest $30,000 of Depreciation Funds in Dominion of Canada Seventh Victory Loan	B-3077
North Norwich, Township of— Commissioners for Telephone System of	Approval of telephone charges	B-2470
North Renfrew Telephone Co., Ltd.	Authority to invest $1,000 of Depreciation Funds in Dominion of Canada Seventh Victory Loan	B-3175
Oro Telephone Co., Ltd.	Approval of an increase in the annual charges	B-2411
Otonabee, Township of — Commissioners for Telephone System of	Approval of an increase in the annual charges	B-2727
Pelee, Township of—Commissioners for Telephone System of	Approval of telephone charges	B-2564
Plummer, Aberdeen and Galbraith Rural Telephone Association	Approval of telephone charges	B-2483
Port Arthur, City of (operating Port Arthur Municipal Telephone System)	Authority to expend $25,782.59 of Depreciation Funds upon new construction, extensions and additions to the system and to invest $214,272.00 in interest bearing securities	B-2723
Port Arthur Municipal Telephone System	Approval of telephone tolls	B-3094
Princeton and Drumbo Telephone Co., Ltd.	Authority to invest $2,100 of Depreciation Funds in Dominion of Canada Victory Bonds	B-2480
Radcliffe, Township of — Commissioners for Telephone System of	Approval of Traffic Agreement with the Davis Telephone System	B-2724
Rama-Mara Telephone Co., Ltd.	Approval of By-law No. 2	B-3252
Rockwood and Oustic Telephone Co., Ltd.	Authority to invest $100 of Depreciation Funds in Dominion of Canada Sixth Victory Loan	B-2638
Rural Telephone Co. of Kitley, Ltd.	Approval of an increase in the annual charges	B-2425
Ryde, Township of—Commissioners for Telephone System of	Order prescribing date for holding annual meeting of system	B-2451
Ryde, Township of—Commissioners for Telephone System of	Approval of telephone charges	B-2772
St. Joseph, Township of (operating St. Joseph Island Municipal Telephone System)	Authority to invest $500 of Depreciation Funds in Dominion of Canada Sixth Victory Loan	B-2662
Schomberg Telephone Co., Ltd.	Approval of By-law No. 788 of the Township of West Gwillimbury	B-2412

Schomberg Telephone Co., Ltd.	Approval of By-law No. 877 of the Township of Adjala	B-2413
Schomberg Telephone Co., Ltd.	Authority to invest $500 of Depreciation Funds in Dominion of Canada Seventh Victory Loan	B-3158
Schreiber, Township of	See Long Lac Telephones, Ltd.	B-2396
Sioux Lookout Telephone Co., Ltd.	Authority to invest $500 of Depreciation Funds in Dominion of Canada Sixth Victory Loan	B-2529
Sioux Lookout Telephone Co., Ltd.	Authority to invest $700 of Depreciation Funds in Dominion of Canada Seventh Victory Loan	B-3081
South Leeds & Pittsburg Rural Telephone Co., Ltd.	Authority to invest $500 of Depreciation Funds in Dominion of Canada Seventh Victory Loan	B-3132
Spring Creek Telephone Co., Ltd.	Approval of the sale of the system to the Innerkip Rural Telephone Company, Limited, and approval of By-laws Nos. 2 and 3	B-3241
Strong, Township of — Commissioners for Telephone System of	Approval of telephone charges	B-2482
Tarbutt and Tarbutt Additional Townships of— Commissioners for Telephone System of	Approval of telephone charges	B-2931
Thessalon, Townships of— Commissioners for Telephone System of	Approval of By-laws Nos. 1 and 2	B-2489
Thunder Bay Telephone Co., Ltd.	See Long Lac Telephones, Ltd.	B-2397
Thunder Bay Telephone Co., Ltd.	Approval of By-laws Nos. 2, 3, 4, 6 and 7	B-2400
Tichborne Rural Telephone Co., Ltd.	Approval of telephone charges	B-2504
Tilbury East, Township of— Commissioners for Telephone System of	Order prescribing date for holding annual meeting of system	B-2443
Tuckersmith, Township of (operating Tuckersmith Municipal Telephone System)	Authority to invest $5,000 of Depreciation Funds in Dominion of Canada Seventh Victory Loan	B-3184
Union Telephone Co., Ltd.	Approval of an increase in the annual charges	B-2401
Violet Hill Telephone Co., Ltd.	Approval of telephone charges	B-2467
Welland County Telephone Co., Ltd.	Authority to expend portion of Depreciation Funds upon new construction, extensions and additions to the system	B-2634
West Gwillimbury, Township of	See Schomberg Telephone Co., Ltd.	B-2412
West Williams Rural Telephone Association, Ltd.	Authority to invest $300 of Depreciation Funds in Dominion of Canada Third, Fourth and Fifth Victory Loans	B-2474
Woodbridge and Vaughan Telephone Co., Ltd.	Authority to expend portion of Depreciation Funds upon new construction, extensions and additions to the system	B-2687

AGREEMENTS APPROVED BY THE BOARD UNDER SECTION 96 OF "THE TELEPHONE ACT" (R.S.O. 1937, Chapter 261)

(Agreements are with The Bell Telephone Company of Canada)

SERVICE STATION AGREEMENTS

	Procedure File
Browning Island Telephone Line	B-2868
Madawaska Telephone Association, Limited	B-2877
F. A. Perry (operating under the name of The Napanee & Deseronto Rural Telephone System)	B-2979

THE FOLLOWING GIVES A BRIEF SUMMARY OF THE EXTENSIONS AND IMPROVEMENTS MADE TO THE RAILWAYS UNDER PROVINCIAL JURISDICTION DURING THE YEAR 1944

CORNWALL STREET RAILWAY LIGHT AND POWER COMPANY, LIMITED

This Company reports an extension of 700 feet to track during the year 1944 and an expenditure of $28,190.40 upon additions to railway equipment, land and buildings and other permanent property during that period.

FORT WILLIAM ELECTRIC RAILWAY

This Company made no extensions to track during the year and also report no expenditure upon track improvements, rolling stock, buildings, etc., during this period.

HAMILTON STREET RAILWAY

This Company made no extensions to track during the year, but report an expenditure of $110,142.00 upon additions to equipment and buildings.

HUNTSVILLE AND LAKE OF BAYS RAILWAY

No additions to track or expenditures on improvements, etc., were reported by this Company during the year.

KITCHENER-WATERLOO AND KITCHENER-BRIDGEPORT RAILWAY

No additions to track or expenditures on improvements, etc., were reported by this Company during the year.

MATTAGAMI RAILROAD

No additions to track or expenditures on improvements, etc., were reported by this Company during the year.

MOUNT McKAY AND KAKABEKA FALLS RAILWAY COMPANY

No additions to track or expenditures on improvements, etc., were reported by this Company during the year.

NIAGARA PENINSULA RAILWAY

No additions to track or expenditures on improvements, etc., were reported by this Company during the year.

PORT ARTHUR CIVIC RAILWAY

No additions to track or expenditures on improvements, etc., were reported by this Company during the year.

SANDWICH, WINDSOR AND AMHERSTBURG RAILWAY

During the year this railway reports an expenditure of $175,260.00 for the purchase of additional buses and an expenditure of $60,817.05 upon other additions to equipment, land and buildings and other permanent property.

SUDBURY-COPPER CLIFF SUBURBAN ELECTRIC RAILWAY

This Company made no extensions to track during the year, but report an expenditure of $4,014.35 upon additions to equipment.

TEMISKAMING AND NORTHERN ONTARIO RAILWAY

No extensions to track were made during the year. The Commission however, report an expenditure of $168,392.52 on track improvements, overhead structure, rolling stock, buildings, machinery and other improvements.

THURLOW RAILWAY

No additions to track or expenditures on improvements, etc., were reported during the year.

TILLSON SPUR LINE RAILWAY

No additions to track or expenditures on improvements, etc., were reported during the year.

TORONTO TRANSPORTATION COMMISSION

The Commission made no extensions to track during the year.

They report an expenditure of $192,034.37 on the betterment of the railway and $1,348,118.85 on additions to equipment, land and buildings.

TOWNSHIP OF YORK AND WESTON RAILWAY

No additions to track or expenditures on improvements, etc., were reported during the year, the railway being operated by the Toronto Transportation Commission.

NORTH YONGE RAILWAYS

No additions to track or expenditures on improvements, etc., were reported during the year, the railway being operated by the Toronto Transportation Commission.

TORONTO, 1944

Summary of all Accidents on lines operated by Toronto Transportation Commission
From January 1st to December 31st, 1944

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Collisions with Cars	6	5	4	3	4	6	7	2	6	10	8	5	66
Collisions with Autos	695	768	830	545	515	340	440	485	445	462	480	750	6755
Collisions with Motorcycles and Bicycles	6	2	4	5	8	7	10	6	8	6	5	5	72
Collisions with Wagons	7	7	6	6	6	5	9	4	9	10	6	6	81
Boarding Cars	40	42	38	28	30	50	59	32	36	50	40	36	481
Alighting from Cars	44	50	42	39	52	41	84	74	72	44	52	58	652
Falling within Cars	50	69	49	56	100	60	90	70	69	59	71	62	805
Miscellaneous	65	91	100	82	110	166	131	94	94	92	130	190	1345
Total	913	1034	1073	764	825	675	830	767	739	733	792	1112	10257
Personal Injuries:													
To Passengers	56	86	79	104	94	44	52	69	101	82	120	129	1016
To Others	34	64	42	39	42	82	39	32	54	49	64	44	585
Total	90	150	121	143	136	126	91	101	155	131	184	173	1601
Fatal Accidents:													
To Passengers	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
To Others	Nil	2	1	1	2	4	1	1	4	1	1	2	20
Total	Nil	2	1	1	2	4	1	1	4	1	1	2	20

INDEX TO RAILWAY LEGISLATION

The following Index has been made with the object of continuing in chronological order all the legislation passed by the Dominion and Provincial Governments since 1867, affecting railways situated wholly or partially within the Province of Ontario.

Report No.	Year	Page No.
2	1907	174
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4	1909	244
5	1910	166
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7	1912	188
8	1913	356
9	1914	272
10	1915	Nil
11	1916	193
12	1917	192
13	1918	244
14	1919	212
15	1920	210
16	1921	220
17	1922	226
18	1923	142
19	1924	131
20	1925	162
21	1926	146
22	1927	178
23	1928	178
24	1929	173
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26	1931	165
27	1932	160
28	1933	146
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32	1936	56
33	1937	62
34	1938	181
35	1939	151
36	1940	105
37	1941	Nil
38	1942	124
39	1943	143

During the year 1944 the following legislation was enacted:—

S.S.(1) of Section 44 of "The Assessment Act" amended by striking out the words "tramways, street railways and electric railways" and substituting therefor "transportation systems".

S.S.(4) of Section 44 of "The Assessment Act" amended by striking out the words "an electric railway" and substituting therefor the words "a transportation system".

S.S.(1) of Section 46 of "The Assessment Act" amended by striking out the words "railway, electric railway, street railway or tramway" and substituting therefor the words "transportation system".

S.S.(3) of Section 46 of "The Assessment Act" amended by striking out the words "an electric railway" and substituting therefor the words "a transportation system".

Section 5 (S.S.(1) and (2)) and Section 6 (S.S.(1) and (2)), O.S. 1944. Chapter 7.

FORM TO BE USED BY COMPANIES IN REPORTING ACCIDENTS

Accidents: Regulations under and in pursuance of Sections 281 and 282 of "The Railway Act," (R.S.O. 1937, C. 259)

Accidents—Every Company upon the happening of an accident shall give to the Ontario Municipal Board notice thereof in writing by delivering the same at the office of the Board in the City of Toronto or by mailing it, postage prepaid, in a registered letter and addressed to the Board.

Such notice shall contain a statement signed by duly authorized officer of such company setting forth the information and particulars hereinafter mentioned.

Such statement shall be divided into paragraphs, each of which shall include and refer to one (or one group) only of the numbered particulars hereinafter mentioned, and the paragraph referring to each respective numbered particular shall bear the number corresponding to the number hereinafter given for each such particular.

The numbers of paragraphs and the particulars to which each shall refer as aforesaid are as follows:

1. Name or names of company or companies concerned in accident.
2. Numbers of train, engine, car or motor.
3. Date and time of accident.
4. Nature of accident.
5. Exact location.
6. Name in full, address and legal addition of each person injured or killed.
7. Age.
8. Married or single.
9. Passenger, employee or other.
10. If employee, length and nature of service with dates and periods of different occupations (if more than one).
11. If employee, character, experience, skill and fitness with respect to occupation at time of accident.
12. How engaged at time of accident and how long on duty.
13. Cause of accident, how same occurred, with full particulars and details and diagram, if required.
14. Persons in charge, with full names, addresses and the particulars referred to in paragraphs 10, 11 and 12.
15. Result to person and particulars of injury.
16. Result to property, including amount of damage.
17. Names and addresses of all persons present at, or eye witnesses of, the accident.
18. What investigation (if any), and the result of same.
19. Verdict (if any).

The Board reserves the right to require such further and other details, particulars, maps, plans, profiles, documents, models and information or illustration of any kind as to the nature of the accident and a full understanding thereof may suggest or require.

In pursuance of Sections 281 and 282 of said Act, the Board declares that all such information so given in pursuance of this regulation shall be privileged.

Signature of Officer.

N.B.—Give name of officer who fills out this report.

FORMS THAT MAY BE USED IN CONNECTION WITH THE EXAMINATION OF MOTORMEN

Name of City or Town
.... 19.........

Name of Railway

This is to certify that, acting under "The Railway Act," (R.S.O., 1937, C. 269), Section 265, I have examined the .... who is .... years of age and .... feet .... inches high, weighs .... lbs., complexion ...., as to fitness as a motorman, that the said .... is of steady habits, and is in physical ability, intelligence and general knowledge of, and experience in, this work, qualified to act as motorman on any electric car of said Company.

I have been duly appointed an examiner under the said Act, my appointment being dated ....

Name ....
Examiner.

REGULATIONS

REGULATIONS AS TO HEIGHT OF CAR STEPS

Under and in pursuance of a certain order of the Board bearing date the 2nd day of June, A.D., 1909, the Ontario Municipal Board made the following regulations.

The steps on all cars hereafter constructed and used by the Toronto Railway Company and all other street and electric railways under the jurisdiction of this Board shall have steps confirming to the following regulations.

On closed single truck cars the height of the first step above the ground shall not be less than twelve nor more than fifteen inches.

On closed double truck cars the height of the first step above the ground shall not be less than fourteen nor more than sixteen inches.

On open single truck cars the height of the first step above the ground shall not be less than twelve nor more than fifteen inches, and the distance between the first and second steps and the second step and the floor of the car shall measure twelve inches and nine inches respectively.

On open double truck cars, the height of the first step above the ground shall not be less than fourteen nor more than sixteen inches, and the distance between the first and second steps and the second step and the floor of the car shall measure twelve inches and fourteen inches respectively.

REGULATION RE DRINKING WATER ON PASSENGER CARS

Every Electric Railway in Ontario, subject to the jurisdiction of the Board, shall provide in each passenger car which runs 20 miles or more, a suitable receptacle for water with paper cups attached upon or near such receptacle, and shall keep such receptacle, while the car is in use, constantly supplied with cool drinking water for the use of passengers and the conductor and motorman in charge of such car.

This regulation shall not apply to street railways in towns or cities.

Dated at Toronto, this 10th day of April, A.D., 1928.

ELECTRIC AND STEAM RAILWAYS UNDER PROVINCIAL JURISDICTION, YEAR ENDING DECEMBER 31ST, 1944

No	Name of Railway	Length of road first main track	Length of road second main track	Total main track	Length of sidings and turnouts	Total computed as single track	Length under construction	No. of Power Houses		Remarks
								Steam	Water	
1	Cornwall Street Railway Light & Power Co Ltd.	5.50	....	5.50	4.50	10.00	....	....	....	Power purchased from St. Lawrence Power Co. Ltd. and supplied to City of Cornwall stone crusher.
2	Fort William Electric Railway	....	....	12.735	....	17.852	....	....	....	Power purchased from Hydro Electric Power Commission of Fort William.
3	Hamilton Street Railway	....	....	40.17	2.63	42.80	....	....	....	Power purchased from Hamilton Hydro Elec. Commission.
4	Huntsville & Lake of Bays Ry.	1.45	....	1.45	.31	1.75	....	....	....	Steam Railway.
5	Kitchener-Waterloo & Kitchener-Bridgeport Railways	3.96	2.86	6.82	.94	7.76	....	....	1	Power purchased from Public Utilities Commission, Kitchener.
6	Mattagami Railway	3.000	....	3.000	3.947	6.947	....	....	....	Steam Railway.
7	Mount McKay & Kakabeka Falls Railway	2.50	....	....	....	2.50	....	....	....	Leased to and operated by City of Fort William.
8	Niagara Peninsular Railway	3.325	....	3.325	2.115	5.440	....	....	....	Operated by Canada Cement Co. Ltd.
9	Port Arthur Civic Railway	13.43	6.10	19.53	1.04	20.57	....	....	....	Power purchased from Municipal Light and Power System.
10	Sandwich, Windsor & Amherstburg Railway	Use of tracks discontinued and operation now carried on with busses.								
11	Southern Ontario Railway	Not yet in operation.								
12	Sudbury-Copper Cliff Suburban Electric Railway	7.9	....	7.9	....	7.9	....	....	....	Power purchased from Hydro Electric Power Commission of Ontario.

13	Temiskaming & Northern Ontario Railway	574.00	....	574.00	144.4	718.4	....	1	....	Power purchased from Public Utilities Commission of Town of Cochrane, Hydro Electric Power Commission of Ontario, Northern Ontario Power Co. Ltd., Northern Quebec Power Co. Ltd. and Abitibi Power & Paper Co. Ltd.
14	Thurlow Railway	2.671	....	2.671	4.666	7.337	....	....	....	Operated by Canada Cement Co. Ltd.
15	Tillson Spur Line Railway	1.010	....	1.010	.051	1.061	....	....	....	All rolling stock owned and operated by Canadian National Railway.
16	Toronto Transportation Commission	111.317	102.263	213.580	27.692	241.272	....	....	....	Power purchased from Toronto Hydro Electric System and Hydro Electric Power Commission of Ontario.
17	" Twps. of York & Weston Railways	8.063	6.002	14.065	.148	14.213	....	....	....	Power purchased from Toronto Transportation Commission.
18	" North Yonge Railway	10.247	....	10.247	1.155	11.402	....	....	....	Power purchased from North York Hydro Electric Commission.

ANALYSIS OF GROSS EARNINGS AND MISCELLANEOUS INCOME FOR YEAR ENDING DECEMBER 31st, 1944

Name of Railway	From Passengers	From Mail	From Express Parcels and Newspapers	From Freight	From Rental of Tracks, Buildings, and Other Property	From Advertising	From other Miscellaneous sources	Total
Cornwall Street Railway	$ 134,358.56			$ 117,591.04	$ 1,110.00	$ 555.96	$ 148.15	$ 253,763.71
Fort William Electric Railway	383,928.80	559.89			11.00	890.42	844.30	386,234.41
Hamilton Street Railway	2,276,731.00			9,434.00	82.00	8,947.00	2,052.00	2,297,246.00
Huntsville & Lake of Bays Railway	1,640.05	50.00		722.28				2,412.33
Kitchener-Waterloo & Kitchener-Bridgeport Railway	164,482.69		56.75		53.90	1,555.16	2,743.17	168,491.67
Mattagami Railway	1,201.01	315.00		1,111.74	43,069.58		17,921.44	63,618.77
Mount McKay & Kakabeka Falls Ry.					1,300.00		802.29	2,102.29
Niagara Peninsular Railway				17,370.00				17,370.00
Port Arthur Civic Railway	298,173.70					751.86	4,691.20	303,616.76
Sandwich Windsor & Amherstburg Ry.	2,784,791.22	3,719.99	3,414.74		190.20	6,542.08	45,826.27	2,844,494.50
Southern Algoma Railway	Not yet in operation.							
Sudbury-Copper Cliff Suburban Ry.	174,465.51		127.45		269.00	300.00	459.53	175,621.49
Thurlow Railway				18,480.00				18,480.00
Tillson Spur Line Railway	All rolling Stock owned and operated by Canadian National Railway.							
Toronto Transportation Commission	20,945,671.42		16,901.89		202,650.04	139,345.03	104,640.57	21,409,208.95
" " " Tp. York & Weston Ry.	192,631.96				1,268.90	713.58	678.15	195,292.59
" " " N. Yonge Railways	582,457.18					2,987.99	2,254.33	587,699.50

TABULATION OF CAR MILES RUN, PASSENGERS CARRIED, ACCIDENTS, ETC., FOR YEAR ENDING DECEMBER 31ST, 1944

Name of Railway	Length of track owned miles	Length of switches & sidings miles	Passenger car miles run	Passengers carried	Passengers carried per mile of main track operated	Accidents		No. of Men Employed	Passenger Cars			Miscellaneous									
						Killed	Injured		Enclosed Cars	Open Cars	Trailers	Baggage and Mail	Cattle & Box	Platform	Coal & Dump	Tool	Snow Sweepers	Snow Plows	Loading Cranes	Locomotives	Busses and Trucks
Cornwall Street Railway	5.00	4.50	385,018	3,062,122	556,749	2	......	70	22	....	....	....	....	....	....	....	3	2	....	6	....
Fort William Electric Railway	12.735	....	850,265	6,127,274	402,316	2	16	90	22	....	4	....	....	2	....	26	1	2	....	....	3
Hamilton Street Railway	40.17	2.63	4,696,613	37,317,470	....	2	277	70	....	....	....	....	....	....	....	....	4	....	....	2	97
Huntsville & Lake of Bays Railway	1.438	.312	....	10,934	10,934	......	......	......	....	....	3	2	....	2	....	....	....	....	....	....	....
Kitchener Street Railway	6.82	.94	301,954	4,557,216	587,270	......	13	......	11	....	....	....	....	....	....	1	2	....	....	....	....
Mattagami Railway	3.000	3.947	38,220	8,007	2,669	......	......	11	....	....	....	1	....	1	1	....	....	1	1	2	....
Mount McKay & Kakabeka Falls Ry.	2.50	Line oper	ated by City	of Fort Wil	iam under l	case.															
Niagara Peninsular Railway	3.325	2.115	....	....	....	......	1	10	....	....	....	....	....	3	47	....	....	....	....	4	....
Port Arthur Civic Railway	19.53	1.04	721,865	6,014,291	833	......	8	75	19	....	....	....	....	....	....	....	2	....	....	....	....
Sandwich, Windsor & Amherstburg Ry.	(a)	(a)	6,860,326	37,445,094	....	......	......	418	....	....	....	....	....	....	....	....	....	....	....	....	184
Southern Algoma Railway	Not yet i	n operati	on.																		
Sudbury-Copper Cliff Suburban Ry.	7.9	....	331,188	2,387,423	302,205	......	1	35	11	....	....	....	....	....	....	1	1	....	....	....	....
Thurlow Railway	2.671	4.666	....	....	....	......	......	6	....	....	....	....	....	1	22	....	....	....	3	....	....
Tillson Spur Line Railway	1.010	.051	All rolling st	ock owned a	nd operated	by C	anadi	an N	atio	nal	Rail	way									
Toronto Transportation Commission	213.580	27.692	42,188,439	304,066,251	....	21	1209	4485	854	....	105	....	....	....	....	26	28	16	1	....	414
” ” Twp. York & Weston Ry.	10.247	1.155	436,758	2,121,137	....	4	......	Rail	way	oper	ated	by	T.T.	C. e	mpl	oyee	s&ro	lling	stoc	k.	
” ” North Yonge Railway	14.065	.148	1,032,583	12,070,686	....	1	6	”	”	”	”	”	”	”	”	”	”	”	”		

(a) Operated with busses only.

TABULATION OF COMPARISON WITH PREVIOUS YEAR AS TO CAR MILES RUN, PASSENGERS CARRIED, ETC.

For Year Ending December 31st, 1944

Name of Railway	Length of Track		Car Miles Run		Passengers Carried		Accidents				Net Earnings	
							Killed		Injured			
	In-crease	De-crease	In-crease	De-crease	Increase	Decrease	In-crease	De-crease	In-crease	De-crease	Increase	Decrease
Cornwall Street Railway				82,760	1,006,582		2				7,728.47	
Fort William Electric Railway			30,663		877,840		1		3		16,454.56	
Hamilton Street Railway				228,810	1,659,819		2		27		138,881.00	
Huntsville & Lake of Bays Railway					2,106						314.68	
Kitchener Street Railway			3,516		563,522				6			5,127.27
Mattagami Railway			1,638			188					4,141.79	
Mount McKay & Kakabeka Falls Ry									1		2,345.48	
Niagara Peninsular Railway												
Port Arthur Civic Railway			24,259		1,038,308				3			5,520.09
Sandwich, Windsor & Amherstburg Ry.			292,992		3,590,629						101,771.65	
Southern Algoma Railway												
Sudbury-Copper Cliff Suburban Ry.					210,203					2	16,728.19	
Thurlow Railway											1,136.51	
Tilson Spur Line Railway												
Toronto Transportation Commission	.106		1,179,079		16,019,742			8	180		128,394.38	
" " " Tp. of York-Weston Ry.		.209	24,634		170,094						5,986.30	
" " " N. Yonge Railways			45,954		984,109			1		8	4,108.58	

TABULATION OF OPERATING COSTS FOR YEAR ENDING DECEMBER 31st, 1944

Name of Railway	General Expenditures	Maintenance of Roadbed and Buildings	Maintenance of Equipment	Motive Power	Wages	Damage to Persons and Property	Miscellaneous	Total
Cornwall Street Railway	$ 22,549.29	$ 21,353.64	$ 47,641.51	$ 15,000.00	$ 65,719.74	$ 1,252.26	$ 6,576.37	$ 180,092.81
Fort William Electric Railway	22,040.66	36,571.72	43,068.24	34,000.74	95,626.32	1,153.98	13,107.75	245,569.41
Hamilton Street Railway	116,903.00	73,077.00	264,882.00	83,305.00	472,854.00	57,595.00	169,965.00	1,238,581.00
Huntsville & Lake of Bays Railway	259.23	450.00	334.87	......	488.84	8.00	426.32	1,967.26
Kitchener & Waterloo Street Railway	22,179.93	23,563.04	32,414.35	14,484.68	52,989.08	1,099.42	6,200.57	152,931.07
Mattagami Railway	9,173.98	6,947.55	3,093.03	......	11,750.37	......	8,344.05	39,308.98
Mount McKay & Kakabeka Falls Ry	723.60	......	......	......	......	......	......	723.60
Niagara Peninsular Railway	88.33	4,243.10	2,930.56	......	3,925.09	......	2,932.66	14,119.74
Port Arthur Civic Railway	23,560.35	24,127.67	37,263.36	20,047.72	85,108.77	......	12,506.60	202,614.47
Sandwich Windsor & Amherstburg Ry.	203,764.71	414,782.89	470,667.60	......	770,247.58	......	......	1,859,463.60
Southern Algoma Railway	Not yet in operation.							
Sudbury-Copper Cliff Sub. Elec. Ry.	23,520.41	34,331.96	30,274.00	17,492.32	37,891.25	288.48	2,901.76	146,700.18
Thurlow Railway	88.34	5,361.00	3,817.92	873.93	4,129.76	......	1,064.89	15,335.84
Tillson Spur Line Railway	All rolling stock owned and operated by Canadian National Railway.							
Toronto Transportation Commission	1,607,439.35	743,447.98	1,346,399.55	1,289,696.04	4,736,455.59	412,769.00	2,753,146.58	12,889,354.09
" " " Tp. York-Weston Ry	21,623.15	21,021.31	14,995.15	24,517.29	......	......	60,295.71	142,453.04
" " " North Yonge Railways	38,551.15	14,957.35	35,086.54	25,604.36	......	......	203,838.01	318,037.41

TABULATION OF CHARGES OTHER THAN OPERATING COSTS FOR YEAR ENDING DECEMBER 31ST, 1914

Name of Railway	Interest on Funded Debt	Interest or Discount on Unfunded Debt	Taxes	Transfer to Special Accounts	All Charges Other than Operating Costs	Total Expenditure including Operating Costs	Total Expenditure excluding Operating Costs	Total Revenue from all Sources	Net Deficit from Year's Operation	Net Surplus from Year's Operation
Cornwall Street Railway	$ 10,500.00		$ 2,192.11	$ 30,411.32	$ 44,603.80	a) $194,285.29	a) $ 14,192.48	$ 253,763.71		$ 23,152.47
Fort William Electric Railway	5,950.00		1,218.09	5,002.58	31,090.67	a) 219,481.32	a) 26,088.09	386,434.41		109,774.33
Hamilton Street Railway	c) 123,738.00		117,371.00	264,013.00	505,152.00	a) 1,479,690.00	a) 241,109.00	2,297,246.00		553,513.00
Huntsville & Lake of Bays Railway			78.40		78.40	2,045.66	78.40	2,412.33		366.67
Kitchener-Waterloo Street Railway	50.90		338.37	9,000.00	14,941.44	a) 158,872.81	a) 5,941.74	168,491.67		619.16
Mattagami Railway			74.15	10,000.00	11,617.03	a) 41,026.01	a) 1,617.03	63,618.77		12,692.76
Mount McKay & Kakabeka Falls Ry.			164.81	5,000.00	5,164.81	a) 888.41	164.81	2,102.29	3,561.72	
Niagara Peninsular Railway						14,119.74		17,370.00		3,250.26
Port Arthur Civic Railway			94.07	5,185.18	5,279.25	a) 202,708.54	a) 94.07	303,616.76		95,723.04
Sandwich, Windsor & Amherstburg Ry.		b) 229,430.18	17,128.87	938,376.71	1,184,935.76	a) 2,106,022.65	a) 246,559.05	2,844,494.50	199,904.86	
Southern Algoma Railway	Not yet in operation.									
Sudbury-Copper Cliff Suburban Ry.	2,351.20	626.51	467.00	6,670.67	10,115.38	a) 150,144.89	a) 3,444.71	175,621.49		18,805.93
Thurlow Railway						15,335.84		18,480.00		3,144.16
Tillson Spur Line Railway	All rolling stock owned and operated by Canadian National Railway									
Toronto Transportation Commission	751,624.16		490,854.11	6,835,909.89	8,135,601.84	a) 14,199,046.04	a) 1,299,691.95	21,409,208.94		788,892.44
" " Twp. York & Weston Ry.			77.14		77.14	a) 142,530.18	a) 77.14	195,292.59		52,762.41
" " North Yonge Railways	43,323.68			23,630.49	66,951.17	a) 361,361.09	a) 43,323.68	587,699.09		202,707.92

(a)—Does not include transfer to special accounts.

(b)—Interest account (net)

(c)—Interest on Commission's Investment.

TABULATION OF ASSETS AND LIABILITIES AS OF DECEMBER 31st, 1944

Name of Railway	Authorized Capital Stock	ASSETS			LIABILITIES				
		Cost of Railway Equipment, Land and Buildings	Cash and other Assets	Deficit	Capital Stock outstanding	Funded Debt and Real Estate	Current Liabilities	Accrued Liabilities Sinking and other Special Funds	Surplus
Cornwall Street Railway	$ 200,000.00	$ 690,922.78	$ 36,573.58	......	$ 200,000.00	$ 150,000.00	$ 24,492.64	$ 198,602.09	$154,401.63
Fort William Electric Railway	......	......	3,895.60	29,316.15	......	......	33,211.75	......	......
Hamilton Street Railway	4,000,000.00	4,548,349.00	1,241,445.00	......	3,205,000.00	......	248,281.00	2,182,706.00	153,807.00
Huntsville & Lake of Bays Railway	50,000.00	29,482.24	12,149.08	......	27,800.00	......	1,682.93	11,588.04	560.35
Kitchener-Waterloo and Kitchener-Bridgeport Railway	......	486,328.96	100,006.42	......	......	......	8,902.82	572,986.62	4,445.94
Mattagani Railway	1,000,000.00	244,966.94	219,679.15	......	250,000.00	......	2,887.47	65,000.00	146,758.62
Mount McKay & Kakabeka Falls Ry.	(a) 500,000.00	43,390.00	5,390.04	341,983.43	386,300.00	......	200.00	4,263.47	......
Niagara Peninsular Railway	200,000.00	55,550.88	7,950.61	......	50,000.00	......	......	......	13,501.49
Port Arthur Civic Railway	......	942,824.39	436,491.34	......	......	985,447.42	66,373.37	......	327,494.94
Sandwich-Windsor & Amherstburg Ry.	......	1,396,060.83	8,864,126.30	......	......	4,850,000.00	3397,092.21	2,013,094.92	......
Southern Algoma Railway	Not yet in operation.								
Sudbury-Copper Cliff Suburban Railway	250,000.00	284,958.47	115,507.14	82,538.71	173,100.00	41,131.83	21,893.28	246,879.21	......
Thurlow Railway	50,000.00	58,211.42	......	31,051.84	25,000.00	......	64,263.26	......	......
Tillson Spur Line Railway	20,000.00	11,399.74	......	8,600.26	20,000.00	......	......	......	......
Toronto Transportation Commission	......	53,943,289.15	20,168,077.58	......	......	11,522,566.59	2263,834.51	56,412,032.56	3912,932.99
" " " Twp. York & Western Ry.	......	107,549.10	17,473.12	......	......	72,259.81	......	......	52,762.41
" " " North Yonge Ry.	......	1,393,256.10	625,493.61	......	......	937,852.88	......	463,976.38	616,920.55

(a)—Contingent Liability—Ontario Government Department of Lands and Forests—Order-in-Council May 11th, 1926, re Water Power Lease No. 1767—$17,559.10.

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Annual Report

UPON THE

Ontario Training Schools

FOR THE YEAR ENDING 31st MARCH

1944

PRINTED BY ORDER OF
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1945

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To The Honourable Albert Matthews,

Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

The undersigned has the honour to present the Annual Report upon the Ontario Training Schools for the year ending 31st March, 1944.

Respectfully submitted,

G. H. Dunbar,
Provincial Secretary.

Honourable G. H. Dunbar,

Provincial Secretary of Ontario.

Sir:—

Herewith for your consideration are the following annual reports for the year concluded March 31st, 1944.

1. The written report of the Training Schools Advisory Board.

2. The written report of the Training School for Boys, Bowmanville and the Ontario Training School for Girls, Cobourg.

3. The reports of the three Private Training Schools,—St. John's, Toronto, St. Joseph's, Alfred, and St. Mary's, Toronto.

4. The statistics of all five Schools for the year.

These reports, most of which are given in considerable detail, cover most of the important facts but it seems advisable to supplement them with some comments.

That these Schools are being used to an increasing extent is evident from the statistics attached, which reveal that 547 children were sent there during the year under review. The previous year the number was 448.

Throughout the year the two Ontario Training Schools at Bowmanville and Cobourg were in temporary accommodation with limited facilities, and therefore operating under considerable handicaps. Reduced space required more rapid placement of the pupils outside the Schools, either in their own homes or other suitable places. Such placements in many cases are highly desirable as the children are placed in good home conditions, and those conditions are often sufficient for successful results. However there are other children who require lengthy and much more complex treatment and care. Thus, good as outside placement may be, there is a definite limit to which it can be extended. Just as definitely are certain School facilities required.

In the summer of 1943 it was apparent that additional facilities were needed at the Cobourg School, and you instructed that they be provided. Fortunately at Cobourg, very close to the School, another property was available. It contained fourteen acres, ten beautifully landscaped, a very large house and a large combined coach house and residence. At considerable expense alterations were made giving the necessary increased space, and the coach house and residence respectively were converted into gymnasium and staff residence. This two-unit setup of the School greatly facilitates the work of the School.

Rapid placement of boys from the Bowmanville School continued fairly successful, thus again indicating that it is less difficult to succeed with delinquent boys than it is with delinquent girls. However, this School is greatly handicapped because of its limited facilities.

The highest commendation is due the members of the staffs of these Schools, as the good results that have been achieved are very largely the result of their unselfish, and even self-sacrificing devotion to their responsibilities.

The very successful work of St. Mary's Training School continued in its modern, well equipped building.

The same can properly be said of the work of St. John's Training School, but the buildings are old, getting insufficient in space and facilities, and difficult to keep in proper condition. It is highly desirable that a new School to replace the present one be built outside the City.

There are a great many graduates of St. Joseph's Training School, who have good reason to be grateful for the successful training given to them there. It is very evident that there is danger to the fundamental purpose of a Training School in too rapid placement from the School. There is also danger in keeping the pupils there too long. It does appear that some reduction in the average time in the School, with proportionate extension of placement work, could well increase the success of St. Joseph's School.

The Advisory Board report contains two important recommendations. The first refers to mentally defective pupils in these Training Schools. They are an increasing and serious problem. These Schools have not been intended or designed for such children and we hope that speedily sufficient provision will be made elsewhere for them.

The second recommendation refers to delinquent Indian children. Because of their characteristics they need training and placement somewhat different to that which is successful for other children. As nearly all of them are wards of the Department of Indian Affairs, it is appropriate to recommend that the Federal authorities provide a suitable Training School for them.

In these war years we almost daily hear about "Combined Operations". Combined operations of many organizations and individuals are being used to an increasing extent to prevent juvenile delinquency and correct it where it occurs. Certainly it applies in the work of the Training Schools. Many Departments of the Ontario Service, many organizations and individuals by their combined work greatly assist and further the work of these Schools, and to them all, officials of this Department are deeply grateful, and thank them for their co-operation and assistance.

C. F. Neelands,
Deputy Provincial Secretary.

REPORT OF TRAINING SCHOOLS ADVISORY BOARD.

To The Honourable G. H. Dundar,
Provincial Secretary of Ontario.

Sir:—

We have the honour to present the thirteenth annual report of the Training Schools Advisory Board for the year ending March 31st, 1944.

Fifty-three meetings were held during the year. The record of each boy and girl residing in the Schools, or on parole under supervision of the Schools, is examined at least every four months, and in addition special consideration is given whenever necessary.

In the great majority of cases the delinquencies resulting in commitment of boys and girls to the Training Schools have been traced to home conditions,—lack of training and negligence of the parents, in fact in many of these homes there seems a complete moral breakdown. At present in many cases both parents are out of the home either working or in the Army, so that there is no adequate habit training, supervision or control of the children. The Board stresses the great need for improved home conditions and increased parental responsibility.

Upon entering a Training School each pupil is given a thorough physical examination, including tests for diphtheria, scarlet fever, and vaccination against smallpox. A tuberculin test is also made, and if this is positive it is followed by periodical x-ray examinations of the chest. Mental examinations are given in each case as far as possible, and these prove of great value in determining specific requirements in the training and education of the individual pupil. They are also of value to the Advisory Board.

When boys and girls are considered ready for parole they are allowed to return to their own homes if such are suitable. Otherwise, older boys and girls are placed in farm, domestic, factory, or other work where they will be self-supporting. In the cases of younger children, desirable results are best achieved by early placement in suitable foster homes. Only 8.6 per cent of those in the Training Schools at present are under the age of twelve. The number of boys and girls placed in boarding homes was 244 which is 34 per cent of placements for the year. Supervision is given by placement officers over all paroled cases, and in order to secure the best adjustment in the community it is frequently found necessary to try several placements.

During the year wardship was terminated in 370 cases as follows:—

218	Satisfactory adjustments in community or 59 per cent of all terminations.
51	Enlisted in Armed Forces.
35	Married.
42	In other institutions.
14	Moved out of Province.
5	Whereabouts unknown.
5	Further wardship unavailing.

Since the Fall of 1941 when it was necessary to move the Bowmanville School to temporary quarters for the duration of the war, the boys have been placed out in foster homes or farm positions after a very short stay in the School. Such early placements continue to be satisfactory in the majority of cases.

The Training Schools of the Province must not be looked upon as penal institutions, as their object is so to train, educate and direct delinquent boys and girls that they may become re-adjusted in the community as good citizens.

On May 4th, 1943, the Board members together with Dr. G. W. Anderson of Toronto Juvenile Court and Mr. C. F. Neelands, Deputy Provincial Secretary, visited the Girls' School at Cobourg and the Boys' School at Bowmanville.

The Board appreciated a visit from the Hon. G. H. Dunbar on September 23rd. On October 4th we met in conference with the Minister, the Deputy Minister and some members of the Cobourg School staff discussing the Cobourg situation, and it was agreed to place on record the following requirements for the School:—

(1) More accommodation:
  (a) To take care of the actual number of girls in residence.
  (b) To isolate those who require medical attention.
  (c) To segregate the girls who have broken their parole, in justice to those who are faithfully continuing their training.
  (d) Adequate dining-room and sleeping accommodation.
(2) A more vigorous physical training programme.
(3) Facilities for High School education, which were entirely lacking.
(4) Proper accommodation for Staff, who at present have practically no privacy.
(5) Additions to Staff.

The Board was pleased at the Government's immediate action in securing additional accommodation in Cobourg, making the necessary alterations and having it ready for occupation recently, also that a High School teacher has been secured and that plans are under way for a gymnasium.

Dr. Charlotte Whitton who was retained by the Provincial Secretary to make a survey of the Training School for Girls, met with the Advisory Board on January 13th, 1944, discussing welfare work in general as well as the work of the Training Schools.

On Januuary 26th Dr. Whitton, Dr. Lewis of this Board, and others of the Ontario Departments visited Cobourg to check up on buildings and equipments especially in respect to arrangements of dining-room, class-room, living-rooms, dormitories and gymnasium.

There are two recommendations which we have made to the Department in former years, and which we wish to emphasize again:—

(1) The great need for a separate institution for mentally defective delinquents. 14 per cent of the new children received during the past year were defective mentally and are not fit subjects for our Training School. Since we believe that the Training Schools are not the proper places for the mentally defective children, we suggest that the Magistrates should commit defectives of low mentality direct to the Ontario Hospital School, Orillia.

(2) That the Department of Indian Affairs at Ottawa should have their own

training schools to receive delinquent Indian children. From experience we feel that we have not helped greatly in their adjustment.

The Board appreciates reports received from the Ontario Department of Education following inspections made by Public and Separate School Inspectors, from the Ontario Department of Health concerning dental work in the Schools, and from the District Officer of Military District No. 3 in respect to Cadet training at St. Joseph's Training School, Alfred.

We also wish to express appreciation of the work of the Mental Health Clinics under Dr. Katherine M. Barrington, Hamilton, and Dr. M. G. Rendall of Brockville, also the Out-Patient Department, Toronto Psychiatric Hospital under Dr. E. P. Lewis in examining pupils of the Training Schools.

Our thanks are extended to the Superintendent and staffs of the Training Schools for their co-operation in supplying reports, and acting on suggestions of the Board in respect to wards of the Schools.

It was with sincere regret that the Advisory Board learned last August of the death of Mr. William T. Kernahan, who had been a faithful member of this Board from its inception in 1931 until his resignation in February 1942.

GEORGE W. HAMBLY, *Chairman,*
NELL WEST,
E. P. LEWIS, M.B.,
CHARLES D. GORDON,
JOHN M. BENNETT, M.A., Ph.D.

REPORT OF THE ONTARIO TRAINING SCHOOL FOR GIRLS, COBOURG

April 1st, 1943 *to* March 31st, 1944.

During the past year the Training School has continued to occupy the McCook residence, taken over in September of nineteen forty-two. Another house has been acquired during this period and is already proving of value in relieving over crowded conditions which prevailed during the latter part of nineteen forty-three. The new house is being used as a stepping stone back to community life for the girls. Their transfer to this residence is in accordance with their progress and their ability to accept more responsibility for themselves.

The practice of dividing the girls into two main groups for training has been continued. Each girl's interests and aptitudes are considered before she is allotted to a group. If she is capable of absorbing further academic training she is placed in the school group. These girls attend regular school classes and follow the curriculum prescribed by the Department of Education for their grade. The other girls who are over sixteen or not suited to further academic training are placed in the vocational group. This group is further subdivided and instruction is given in laundry work, sewing, household care, domestic training and gardening.

The mental, moral, and physical characteristics of the ninety-six girls admitted during the year were almost the same as those in preceding years. During the first period of a girl's residence she feels keenly the loss of her personal freedom and we find that most attempts to escape occur during that time. As time passes, and the days are filled with learning new things, taking active part in sports and participating in the daily affairs of the School, the girls feel that they belong to the group and have their own special place in its activities.

Academic Report

The following reports show, as nearly as figures can show, the result of the years work in each group.

Grade 1	1
Grade 2	1
Grade 4	4
Grade 6	24
Grade 8	53

Of the thirteen entrance pupils resident at the time of the final examinations in June, eleven were successful candidates for entrance standing. With the completion of the new building we will again have facilities for continuing the first two years of high school work. This will mean a great deal to girls who have formerly continued with this work only by means of evening classs.

Vocational Report

Sewing

Many of the girls who enter this group have never had the opportunity to learn to sew. Their course follows that outlined by the Department of Education in the Teachers Manual. Results obtained by this group are most gratifying. The girl who has completed the course has learned to make most of her own clothes and in addition knows how to run a power sewing machine. Many of these girls find their way to work in factories where their training is very useful. In addition to learning their stitch forms, and the use of the machines the group has produced the following articles for use by the school.

40 slips
48 nightgowns
144 pairs pyjamas
30 housecoats
31 woollen shirts
19 cotton blouses
2 jumper dresses
2 cotton dresses
4 pair curtains
4 dozen bed sheets.

This group made the costumes for the Christmas play, handled all necessary alterations and repairs and completed a baby's layette for Red Cross work.

LAUNDRY

No. of girls in class	81
No. of articles of girls clothing	18,276
" " " "	947
" " " "	34,872

During the summer the laundry for the entire school is handled by this group while in the winter months it is necessary to have part of the work taken over by another laundry. All equipment used is of domestic type, thus training the girls to handle equipment with which they will come in contact after leaving the school.

HOUSEHOLD CARE

Each girl in the School has her daily share of caring for the house. Her work is supervised by the housemother and as her training progresses she assumes greater responsibility until one of the Staff rooms becomes her assignment. All too often home seems to be a place where the young people did not have their share of daily activity. Their mistakes are many and it has been too easy for the homemaker to do things herself rather than take the necessary time and energy to "show the girls how". Real pride can be developed for the appearance and care of the home when interest is awakened.

GARDENING

Gardening includes not only work in the garden proper but the greenhouse as well. Some girls who are fond of the out-of-doors are admirably suited to this type of training. Production was much better than was anticipated since some of the ground used was put into cultivation for the first time in some years and was very weedy. Lawns and flower gardens are also regaining some of their former beauty.

DOMESTIC TRAINING

This training continues to be of a practical nature. It consists of preparing and serving meals for the entire school and is under the supervision of qualified dietitians. Again all equipment used is of domestic size. Thirty-eight girls have taken this course during the year.

MEDICAL REPORTS

Upon admission the girls are examined by the School doctor and dentist. The reports submitted by these Departments are as follows:

Girls examined by Doctor	450
G. C. Smears	887
Wasserman	147
Chest X-rays	35
Lumbar punctures	2
Syphilis	4
Gonorrhoea	55
Mumps	1
Scabies	58
Appendectomy	2
Tonsilectomy	8
Boils and Minor Infections	38
Flu, colds, etc.	74
Pregnant	11
Abortions	2
Poison Ivy	3
Fitted with glasses	26
Small Pox vaccinations	42
Scarlet Fever Toxins	59
Diphtheria Toxoids	58

DENTAL REPORT

Girls seen by Dentist	593
Examinations only	130
Restorations only	342
Extractions	151
Dentures	8
X-rays	9
Trench Mouth	4

Five girls have had training in working with the Nurse during the past year. These girls usually leave the school to obtain work in hospitals as ward-aides.

COMMERCIAL

It has been possible this year to give three of the girls some opportunity for training in office routine. They work in the stores part time under the supervision of the store-keeper, and the assistant bursar.

Religious Instruction

Chapel service is held each morning in the common room before classes start for the day. On Sunday the girls attend either the Anglican or United Church and once each week the School is visited by the United Church Minister who conducts the morning service.

Mental Health

We continue to miss the service of a visiting Mental Health Clinic but much valuable assistance was received when Dr. F. Nicols, of the Ontario Hospital, Queen Street, Toronto, and Miss Brown, Toronto Psychiatric Hospital, spent a week at the school interviewing as many girls as possible. Sincere thanks is extended to the Out-Patient Department of the Toronto Psychiatric Hospital for their co-operation throughout the year.

Recreation

Evening activities are conducted in the common room where the girls knit, read, sew, make scrap books, play table games, write letters, or are otherwise encouraged to engage in hobbies. Our library has been increased to provide more reading material and once each week books may be exchanged. Saturday afternoon attendance at the local theatre may be earned by good behaviour during the week.

Our first attempt to provide entertainment for others was to stage an operetta in the Cobourg Collegiate Institute Auditorium as a Christmas presentation. The appreciation expressed has been sufficient encouragement for further effort.

The skating rink was once more in use for winter recreation and plans are already under way to enter a team in the local baseball league.

By means of music and sport we have undertaken to give the girls more feeling of community spirit and to date these efforts have met with considerable success.

Placement Reports

During the year wardship was terminated over 69 girls, bringing the total number of terminations over the eleven year period since the School was established to 356. The total number of wards in the same period was 726.

Supervision is given to the girls who are returned to the community, by Placement Officers located in Toronto, London, Hamilton, Galt and at Cobourg. Some indication of the extent of their work is shown in the following summary:

Number of visits to girls	3,045
Homes and jobs investigated	1,104
Visits to clinics and other Social Agencies	198
Attendance at court	65
Psychological Interviews	36
Lectures	9
Girls under supervision March 31st, 1944	173

Girls attending School		41	
High School	11		
Public School	23		
Business School or College	7		
Girls employed:		130	
Domestics	37		
Factory	51		
Office	9		
Waitress	12		
Store Clerk	3		
Beauty Parlor	2		
Laundry	2		
Farm Work	8		
Ward Aide	4		
Others	2		
Canadian Women's Army Force		2	
Whereabouts unknown		41	—4 year period
Institutions:			
Andrew Mercer Reformatory		11	—2 year period
Ontario Hospital, Orillia		38	—3 year period
Humewood House		1	
Victor Home		1	
Gaol		1	
Mileage	73,755		

Releases

Married	25
Department of Health Transfers	12
Deceased	1
Deported to U.S.A.	1
21 years of age	2
Good Progress	18
C. W. A. C.	4
Navy	1
Beyond control	2
Home of the Good Shepherd	1
Children's Aid Society	1
Parole to parents by court	1

Respectfully submitted

(Mrs.) M. E. Pender,
Superintendent.

REPORT OF THE ONTARIO TRAINING SCHOOL FOR BOYS, BOWMANVILLE

April 1st, 1943 to March 31st, 1944

During the fiscal year just closed this School has received from all parts of the Province, two hundred and ten new commitments. This is an increase of thirty-four over the previous year. Our readmissions showed a slight increase of two for the period.

The majority of our placements were made to foster homes. This continues to be a most valued outlet for our population. We have been fortunate in securing foster parents who have provided ideal homes where the children receive good and kindly care.

There is still a great demand for farm help. Our older boys, placed on farms, help out considerably in relieving the shortage of help. During the summer vacations many of the lads in foster homes work on the farms of their foster parents for which they receive a small wage.

Our placement officers are kept busy supervising the approximate six hundred boys on placements, the placing and securing of homes for our new admissions, and the replacing of lads who fail to adjust on the first trial. Altogether, our experiment with rapid placement has proven to be most satisfactory in the majority of cases.

Many alterations have been made to the physical set up of the institution to provide better accommodation for the pupils and the carrying out of our programme.

There have been some changes of staff, and commencing with the new fiscal year an eight hour day is being put into effect.

We have enjoyed good health in the institution. Boys have shown the benefits of outdoor work on the school lawns and gardens. Outdoor and indoor games give them the necessary recreation.

Each Sunday the Salvation Army conducts a worship service at the School.

As in the past we have been favoured with excellent co-operation from the Courts, the Social Agencies, etc., throughout the Province.

The Mental Health Clinic has resumed its visits, giving welcome and valued advice in dealing with problem cases.

The Department and our Advisory Board have given helpful guidance. This, together with the wholehearted support of our Staff, has made possible the success of our efforts to serve this Province in caring for the wards committed to our care.

Academic Report

During the past year the Academic Department was moved from the Senkler House to the Alexander Property. This change provided more accommodation for the boys and proved much more satisfactory in every way.

The Course of Study as prescribed by the Department of Education is followed in all grades from one to ten. Auxiliary Class training is also provided.

The number of boys attending the various grades was as follows:

Grade 10	9	Grade 5	59
Grade 9	19	Grade 4	25
Grade 8	41	Grade 3	26
Grade 7	46	Grade 2	13
Grade 6	57	Grade 1	10
Auxiliary	38		

The average enrolment of the Academic School increased considerably throughout the year.

The boys are helped and drilled individually in all grades. Some boys need only a change of environment and a word of encouragement to show some degree of stability, while others require more time to adjust their habits.

Considerable attention is given to personal hygiene and beneficial results are soon apparent.

Efforts are made to make the boys industrious and happy. English, Art, Music and Social Studies form special sources of help. These subjects constantly bring before the boys the finer things of life.

Handwork is carried on in constructive art with paper, yarn, linoleum, etc. Posters, murals and greeting cards form special enterprises.

Library books are used to assist social studies and natural science. Many supplementary reading books are also used with an endeavour to create a greater stimulus for more and better reading. The radio is used for musical programmes, current events, speeches and special features. Community singing is enjoyed by the boys along with stories of the composers and their compositions.

Recreational activities were carried on outdoors on the playfield and skating rink when the weather was suitable. Boys are taught to play games fairly, to enter into sports and to be kind and helpful to new boys. Group games are supervised by this department.

Throughout the summer months the regular academic subjects are discontinued and the boys engage in horticulture and gardening in a practical way. They help in the gardens, on the lawns and perennial borders. This outdoor work provides plenty of fresh air and sunshine. When the weather is inclement, scrap-books, handwork and story periods prove very interesting to the boys.

Intelligence tests are given by the academic teacher. During the year one hundred and sixty-six Group Intelligence and Binet Tests were given.

Ethics and character building are stressed at every opportunity.

Fire drills were held monthly.

DENTAL REPORT

Number of patients at clinic	239
Number of examinations only	1
Number of patients treated at public charge	238
Number of extractions	178
Number of local anaesthetics	175
Number of nerve blocks	3

Number of synthetic fillings	127
Number of amalgam fillings	517
Number of pyorrhoea treatments	1
Number of prophylaxis	230
Number of dry socket treatments	1
Number of patients treated for abscesses	8
Number of nerve cappings	16
Number of partial plates	3
Number of nitrate treatments	3
Number of x-rays	3
Number of trench mouth treatments	5

MEDICAL REPORT

Boys examined	215
Tuberculin tests	212
Visits to the School	34
Operations—	
Appendectoms	1
Tonsils and Adenoids	21
Circumcision	2
Hernia	1
Certificates of Mental Deficiency	7
Miscellaneous Office Consultations	12

PLACEMENT REPORT

Boys receiving supervision at the beginning of the period		551
Boys discharged		355
Number re-admitted	144	
Number released	177	
Number attending school	261	
Employed on farms	127	
Employed in factories	61	
Employed in offices	2	
Employed as shippers	3	
Employed as butchers	2	
Employed as printers	1	
Employed as truck helpers	3	
Employed as messengers	7	
Miscellaneous work	24	
In mental hospitals	21	
In Ontario Reformatory	39	
A. W. L.	34	
	906	906

Boys discharged during period		355
Placed in foster homes	182	
Placed in farm employment	138	
To Working Boys' Home	7	
Home to seek employment	9	
Home to attend school	7	
Placed at miscellaneous work	5	
Transferred to other institutions	7	
	355	355
Boys under supervision at the end of period		585
Total number of visits to boys	4,145	
Homes investigated	392	
Attendance at clinics and social agencies	313	
Attendance at court	24	
Other contacts	269	
Total number of boys in paid homes at end of year	237	
Miscellaneous calls	390	
Car mileage	65,027	
Train mileage	6.523	

J. J. Brown,
Acting Superintendent.

REPORT OF
ST. MARY'S TRAINING SCHOOL FOR GIRLS, TORONTO

April 1st, 1943 to March 31st, 1944.

Ordinarily, the life of an individual is a connected chain of most commonplace incidents and one wonders how the writers of fiction contrive to transmute such trivial thoughts, words and acts into narratives of surpassing interest. Daily we witness the passage of events precisely the same in kind and degree but they do not step out of the usual. What is the magic granted to the story-teller, what is the alchemy he uses which enables him, using these homely materials, to weave a tale that for hours will make us forget time and space?

In the world of reality that which is ordinary leaves us unmoved but in the world of fiction the trite and the hackneyed assume forms which absorb our interest and being. With a sigh of regret for our inadequacy and another sigh of longing for the art of interesting we present the activities of St. Mary's Training School for a period of twelve months.

A definite thread of resemblance was found among all admitted. This does not mean feature resemblance nor does it mean character resemblance. It means their outlook or their mental measurement of the world of their elders. They are unaware that the world is in upheaval and they are not interested in the formation of a newer and a better world. One does not expect maturity of outlook in the very young. Girls who have passed the age of sixteen, however, should have some concern for their future and for the circumstances of the coming years. We do not find conjectures nor desires on this matter among the greater number of girls who are sent to our School.

They move in a false security, they have adopted false maxims, they intend to live with the least effort and the greatest ease. Dishonesty, duplicity, untruthfulness, cunning are the principal ingredients found in the characters of the majority of girls under training. There are exceptions to be sure. The picture is not without bright spots and radiance. A good number respond readily to the examples of virtue and piety which they see practised by their companions.

Speaking generally, nevertheless, character building grows more difficult because the material is more complex. Methods employed and appeals made ten years ago are not so effective to-day. One cannot surmise the mental processes working behind a composed, attentive, shrewd exterior. They are audacious, irreverent, headstrong, worldly. They are a law unto themselves. They have passing regret for wrong doing and shortcomings but this regret is short lived. Responsibility slips from them easily provided their transgressions are not brought into the open. All is forgotten and oblivion is their great comfort.

It would be unfair to think that training is wasted or that it is without fruit. The follow-up work is full of consolation. Maturity of thought is slow in coming but it is solid and enduring when it comes.

The academic year was satisfactory and the usual number passed the Entrance examination. High School and Commercial classes produced good results. Their interest in School is always alive and mostly intelligent. Want of ability is not the reason which hinders these young girls from holding permanent clerical positions.

Their characters lack stability of purpose and constancy. They want marriage, possessions and a home which they can call their own. Usually they are good wives and mothers.

The gardens were a great success. The victory garden kept the table supplied with fresh vegetables for six months. Beds and paths were laid out with good taste and symmetry, weeds were banished, weak plants were nursed and coaxed to health. Fish worms, tomato and cabbage worms were the clouds in the sky. They have abhorrence for anything that crawls. They revel in the space and the freedom found in Dufferin Street.

The show case which is kept filled with articles of their needlework is quite attractive. Knitting, embroidery, crochet work in various designs and colors show their liking for handicrafts. Of the children in the second year residence the cleanest and wisest are chosen for the cooking and the kitchen duties. They have liking and aptitude for the culinary arts. Once each week an instructress in household economics gives a lesson in domestic science. One or more of the second year pupils are assigned to the medical rooms to assist the nurse.

Health was not so good as in other years. A scarlet fever germ insinuated itself and five or six cases developed. One wing of the building was isolated by the Department of Health for two months. No complications followed recovery which was good in all cases. The contagion vanished at the end of March. This is the first and the only outbreak of contagious disease among the children over a period of years.

After care work proved interesting. A number broke the terms of parole and were returned for further training to the Institution in West Lodge. Often we hear, "I don't mind coming back myself but how I hate being landed back." The majority accepted placement successfully. They use West Lodge as a rendezvous.

Can you imagine ten or twelve of these young girls gathered in the visitors' room relating the events of the week? Here is gained a real insight into character and without intention or design they reveal a world of information. It starts this way. "Do you remember that day, etc." Motives for baffling misdemeanors while in residence are made quite clear and they enjoy with great relish their past escapades. They are delightfully frank, joyously at ease.

We thank Divine Providence for the loving care and protection manifested in countless ways. We offer heartfelt thanks to the Department under which we operate and to each member of the Staff. We cannot find words sufficient and adequate to express our indebtedness to this Department. Lastly, we thank the Advisory Board for the disinterested kindness and attention given to this work.

We have the honor to remain, your obedient servants,

THE SISTERS OF THE GOOD SHEPHERD.

REPORT OF
ST. JOHN'S TRAINING SCHOOL FOR BOYS, TORONTO

April 1st, 1943 to March 31st, 1944.

Once again I have the honour of presenting the Annual Report of this school.

During the year, there were 106 new commitments with 116 paroled or transferred. The number of very young committals has greatly increased over past years, but the number between 14 and 16 has declined. There were 65 under the age of fourteen; with 41 either 14 or over. For all our boys, one half day was devoted to academic work and the other half to the different vocational shops. Following is the grouping of the classes:

Grade 9	11
Grate 8	26
Grade 7	22
Grade 6	18
Grade 5	35
Grade 4	10
Grade Auxiliary	23
Total	145

During the past year, particular emphasis has been placed on our auxiliary class which has proved very successful. Dr. C. E. Stothers, Inspector of the auxiliary classes for the Department of Education, made a regular visit. All of the requirements for these classes were as strictly adhered to as possible and I believe that the results were gratifying. In our Entrance class, 16 boys were successful and passed into Grade 9.

Vocational education in its narrowest sense is that which fits the individual to earn a livelihood in a particular occupation. The best vocational training, however, aims not only to teach certain processes, but to show how those processes are related to the vocation as a whole. This, in order that the boy, through a comprehensive grasp of fundamental principles, may realize to the fullest extent the dignity and interest of his vocation and the value it has for after-life. It has been stated that vocational work done in a school such as ours is not so much to prepare a lad for such work in the future, but rather as a training in discipline. We find that a goodly number of boys who were interested in a particular phase of our vocational training have steered their course to this type of job years after parole. To attain this condition it is necessary, in placing boys in the various trades, to consider their personal likes and dislikes. Following is listed the number in our vocational department:

Culinary	18	House Maintenance	32
Barber shop	2	Printing	9
Carpentry	1	Shoe Department	21
Farming and Horticulture	17	Tailoring	27

These figures represent the ordinary number in the shops. But many in, for example, Tailoring, have previously tried out their talents in the Shoe Dept. Thus many boys have a taste of several trades before settling on the one they would specially like.

MEDICAL CARE

Number of boys seen at house clinics		382
Number of visits to hospital clinics		250
Number of boys completely examined physically		108
Admittances to St. Michael's Hospital:		
Tonsilectomies	11	
Appendectomies	7	
Treatment for fractures	5	
Surgical treatments	11	
Various, Observations, etc.	17	

All boys are given diphtheria toxoid within one week of admittance to the school.

DENTAL REPORT

Number of Surveys	242	X-rays	57
Synthetic porcelains	17	Gold Inlays	2
Amalgam restorations	11	Extractions	183
Surgery	19	Treatments	24
Partial Dentures	6	Repair to dentures	1
Pyorrhoea treatments	3	Boys with no defects	8

The spiritual phase of a boy's life in a school of this type is essential; and I am of the opinion that a few moments of deep meditation practised daily have far-reaching results. The recitation of vocal prayers may become mechanical when recited through routine. Thoughtful reflection, on the other hand, is a personal and intimate affair. One important factor that greatly contributes to the success of our paroled boys is the regular visit of our Placement Officer. We are fortunate in having in this position a gentleman whose kindly interest and persistent check-up has done much to keep these youths on the right road. Some do fall by the wayside, but this is to be expected.

Many of our former pupils are serving their country in the ranks of the Armed Forces of His Majesty the King. Already a number have made the supreme sacrifice. To these latter we respectfully pay homage.

I wish to take this opportunity of expressing my sincerest gratitude to all who have in any way assisted in making the year 1943-44 so successful.

Sincerely,

BROTHER STEPHEN,
Superintendent.

REPORT OF
ST. JOSEPH'S TRAINING SCHOOL FOR BOYS, ALFRED, ONTARIO

April 1st, 1943 to March 31st, 1944.

There were 67 new commitments during the year 1943-1944. The number of pupils in residence, March 31st 1944, was 115, an increase of twelve over the number we had at the end of March 1943.

School Programme

Thirteen boys wrote and passed the Entrance Examinations last June; that success was a great improvement over what we could afford to expect in the past years. To celebrate this unusual event, we organized in honour of the successful candidates an out-door tea-party to which the whole School was invited; teachers, instructors, supervisors and pupils, an initiative greatly enjoyed by all.

The regular school programme was followed the best we could, from Grade One to Grade Nine inclusive. The pupils in Grades Five and Six were taken to the class-rooms, both in the morning and in the afternoon for their regular class-room work, a practice which was found to be a very useful innovation, and quite beneficial to the mental growth of the boys concerned.

The Enrolment in each grade was as follows:

Grades VII, VIII, IX	37
Grades V, VI	49
Grades III, IV	55
Grades I, II	22
Total	163

In Grades V and VI, 18 boys were part-time pupils; and in Grades III and IV, only 6 did not attend all the regular lessons every day.

The Library activities were about the same as previously mentioned in former reports, with over eighty boys visiting the room every day. The number of books was increased due to the generosity of the "Hawkesbury Rotary Club" which presented the Institution with twenty-four new and interesting volumes on general history. We also bought 79 Story books. A friend of the School gave the boys a 14-tube radio to be used in the school-rooms; and so far it served to take the scientific programme offered daily by the CBC network.

As usual, singing lessons are in honour and come as a daily schedule at eleven thirty in the morning, during which religious hymns and patriotic songs are taught and interpreted, both in French and in English. When the members of the "Hawkesbury Rotary Club" paid a visit to the School in February, they found the audition given in their honour very good, considering the homes and lack of vocal training of the recruits of institutions such as ours.

Moral Training

On every occasion, in season and out of season, teachers, social workers and educators in general, insist on the necessity of the moral teaching being based on something precise, definite; hence the obligation of sound, practical religious instruction, specially nowadays when juvenile delinquency has become an acute social problem. Our devotional exercises and catechetical instructions are combined with that idea in view. The periods are short, varied and made interesting with plenty of singing, both in French and in English. Due to a slight decrease in the numbers of deficient boys, we only had five groups in religious instruction: three French and two English. Two boys were baptized and eight made their First Communion, both ceremonies being the occasion of two very interesting celebrations in our Chapel.

Eighty-three boys were granted parole during the year, and twenty-five came back to the School, owing to the difficulties they experienced in securing proper adjustment to their new living conditions. Hence more than 60 per cent of the boys paroled made good and improved their behaviour patterns. We all admit that this result could be improved upon, but considering the difficulties the boys leaving the Institution sometimes meet in their new surroundings, the proportion of those succeeding in getting a proper adjustment is considered satisfactory.

A few weeks before Easter, we organized three special days of devotional exercises preached and conducted by two able missionaries, clergymen entirely devoted to the welfare of young men and children. For that purpose, the boys were divided into two groups: one French, made up of 62 boys and one English, grouping the 55 remaining inmates of the School.

Physical Training

Our boys have been officially recognized as Cadets by the Militia Department in Ottawa, on April 24, 1943. They were also affiliated to "Le Régiment de Hull" March 13, 1944.

The Cadets followed a regular training programme of about six hours a week. They were given P.T. Swedish Drill twice a week, together with Squad Drill, Rifle Drill, Target Shooting, Knots and Lashings, First Aid, Map Reading, etc.

Forty boys were given a ski training programme on holidays. We organized a special class of Signallers or Buzzers, and twenty of them expect to get their badge, after a regular examination.

Seventeen boys attended a 10-day summer course in Wellington, while groups of about thirty each, were sent to our summer camp, near Calmut, on the Ottawa River shore. Each group enjoyed there, camp life, fishing, excursions in the mountains, boat rides on the river, swimming and devotional exercises. Each colony stayed from two to three weeks at the camp, non consecutively but as time and circumstances permitted.

Since the annual inspection, our lads gave eleven military displays and twenty-one gymnastic performances. On November 24, we were invited to Alexandria, a small town forty miles from Alfred, where our gymnasts gave a 2-hour entertainment to which they added: first aid, knot and signalling exhibitions.

During June and July, our older boys were kept busy every afternoon working at a Peat Plant, two or three miles from our place. This assistance was badly needed by the manager of the Plant, due to the lack of workers in these troubled times. The younger boys were asked, from time to time, by the farmers around Alfred to give them a helping hand in picking and harvesting the flax crop.

On the property, there is an artificial swimming pool, 200 feet long by 100 wide. In July and August, the boys were permitted to use it, at least twice a day.

In winter, hockey was in honour on our two rinks. The Senior Hockey team played eleven exhibition games, and of these they won eight games, tied two and lost one.

The Boys in the First Division were divided in groups or patrols of six competitors, and, every week, the winning patrol was rewarded generously. The friendly competition among the different groups kept the boys striving to win, thus creating a healthy emulation to do better than previously. Good marks were awarded specially for cleanliness, games won, gymnastic stunts, and efficiency in military drill. The patrol leader had to show his initiative and good College spirit by helping along the new recruits and encouraging his men to sound and steady work, from day to day. This innovation proved very helpful to build a true team spirit; and many a boy who, being left to himself, would have been lonesome and careless, was led along nicely and induced to be mindful of the school regulations and given preparatory training in some of the P. T. exercises.

Lastly, the gymnasium was supplied with a new additional billiard table and four dozen billard cues.

VOCATIONAL

Number of boys in each Department during the School year:

Woodworking	36
Shoemaking	30
Tailoring	16
Printing	14
Kitchen	12
House Maintenance	112
Farming and Horticulture	13

Every boy who left during the year stayed at the School an average of two years, three months and ten days, an increase of ten months over last year's length of stay. The staff numbers eighteen Brothers, supervisors and instructors, and eight other persons to help do the work of the farm, the kitchen and the laundry.

WOODWORKING

Owing to the difficulty of getting skilled workers, we had only one instructor in that department instead of two as before. The maintenance work included the partitioning of seven sleeping-rooms in one of the buildings, a work which took ten boys and their instructor two weeks to complete. In the same building, the attic was put in shape and turned into a storing-room for the tailor shop. Six boys worked there three weeks.

One day every week, was set aside to do the repairs in and around the house. Among the most important works undertaken were the painting of the dentist's clinic, and two other adjoining rooms.

Seven boys worked outside the school property, doing odd jobs in the village for fifteen days.

Twelve boys worked two weeks at the swimming-pool, cementing the walls which caved in in August, causing considerable damage to the cement work.

Moreover, the boys of this department repaired two garage doors and also the boards for our two skating rinks.

They made:

15 lockers
6 office desks
1 8-drawer file for the Superintendent's office
10 store counters
36 chairs
24 bus benches.

SHOESHOP REPORT

Most of the time devoted to this department has been spent in repairing the shoes, boots, and all leather articles used by the boys of the School and the members of the staff. These repairs amounted to $950.00.

Reparations made for the School:

Shoes, rebuilt	142	pairs
Boots and shoes, repaired	592	pairs
Skates, sharpened	720	pairs
Skates, repaired	170	pairs
Braces, repaired	37	pairs
Mittens, repaired	54	pairs
Baseball gloves	18	
Balls	31	
Footballs	11	
Mattresses	6	
Ski Sticks	40	
Leather cases (comb)	75	

The boys made:

Shoes	85	pairs
Boots	8	pairs
Skate boots	12	pairs
Belts	185	
Protectors (hockey)	8	

Tailoring Division

The sixteen boys who were apprentices in this department helped to clean and renovate the place to some extent. New toilets were installed and a stock-room was put in shape, an expense of $130.00. We bought a new steam press, costing $500.00. The cost of the press together with amount paid for the boiler raised the bill to $800.00.

Made:

Pants	407
Shirts	100
Night Shirts	83
Coats	42
Sport breeches	199
Table-cloths	16
Pyjamas	14
Aprons	16

Mended:

Pants	2,359
Shirts	937
Underwear	536
Coats	239
Coverlets	46
Other pieces	397

Kitchen and Dining-Hall

Here, five hands, taking turns, helped the chef to bake some 44,000 loaves of bread, besides pies, cakes and muffins, using 375 bags of flour for this purpose. They also helped to prepare and serve more than 160,000 meals, here at the School, at the summer camp or at the sugar-bush.

This year, not much canning was done, owing to a very scanty tomato crop; but on the other hand, more meat, soup and fancy delicacies were preserved in No. 2½ cans, making a total of six hundred cans.

About one thousand pounds of pork were cured and smoked, as ham rolls and bacon.

The kitchen was given a general cleaning and the walls and ceiling were painted by the boys themselves. Other changes consisted in changing the disposition of the fixtures, adding new tables and cupboards, etc.

Printing Report

As there was no means of accommodating this department to many new requirements, in the Main Building, it was found advisable to move all the material of the printing shop to a much larger room in an adjoining building. We also had to make other changes to supply the room with some of the most necessary articles, as for instance, a printing-press, letters, cupboards, drawers for the letters, etc.

Eight boys worked in the printing room, and with their instructor, were responsible for the printing of:

13,500	Envelopes	980	Business cards
1,290	Invitation cards	4,100	Printed singing sheets
1,200	Circulars	44	Special note books

The boys bound and repaired 478 books for the School.

Agriculture and Horticulture

Last Summer, the general farming conditions were rather poor due to the excessively wet weather in June, July and August. The potato crop was quite below the average. The hay crop was good, but the celery, beet and tomato crops were complete failures.

Farm products:

Potatoes	1,200	bags
Carrots	75	bags
Corn	60	tons
Hay	100	tons
Grain	1,404	bushels
Tomatoes	500	gallons
String beans	600	gallons
Milk	9,007	gallons
Meat	9,783	lbs.
Maple-syrup	105	gallons

Twelve boys and three instructors worked at the sugar-bush for three weeks. Twenty-four parties came to the sugar-bush, grouping 310 people.

We bought 50 acres of good arable land on the left side of the property; but as it is only partially drained, there is a considerable amount of work to be done before it can be utilized.

In horticulture, our instructor and two helpers prepared four hotbeds of annual flowers of ten different kinds to be transplanted around the house in the first days of June. As the lawns, the flower-beds and hedges are extensive, the care of the parterre requires steady attention from May to October on the part of our young horticulturists. They certainly deserve great praise for the clever way they succeeded in ornamenting the Main Building with pleasurable and diversified arrangements of flower beds, intervening with green grass plots, the whole forming, specially in June, July and August, a splendid display, most agreeable to the eye.

Doctor J. R. Titley came regularly to the School and we are quite satisfied with him.

HEALTH REPORT

X-Rays	4
Tonsillectomies	8
Fractures treated at the hospital	5
Operation	1
Doctor visited the pupils at the School	28 times
New boys examined at the Doctor's office	16
Rechecked at his office	28
Boys examined at the School	301
Boys treated and rechecked at the School Clinic	4,919

DENTAL REPORT

This Department is under the care of Dr. H. H. Kirby.

Boys examined	301
Fillings	22
Extractions	52

MISCELLANIES

We are glad to mention in this report the generosity of the Canadian National Institute for the Blind, from which the School received the following favours, through the initiative of Rev. W. E. Hamilton: free eye examination and free glasses for two boys, and also an artificial eye. Ten free eye examinations were granted by the Ottawa General Hospital, Water Street.

On June 20th, 1943, the Institution celebrated the tenth anniversary of its foundation. To commemorate the event, we had High Mass in the morning by the parish priest of the village of Alfred, Rev. Fr. J. H. Laniel, one of the founders of the School; the sermon was given by Fr. S. Grenon, our Chaplain. After the banquet, the boys held their annual cadet inspection, with gymnastic exercises and drill by a special platoon. In the evening, the public were invited to an interesting programme of songs and elocution. The day passed off nicely, and many events were happy reminders of a glorious past.

PLACEMENT OFFICER'S REPORT

Number of Visits to Boys	387
Boys on Farms	14
Miscellaneous positions	31
Whereabouts unknown	1
Boys receiving supervision at own home	84
Boys released from guardianship	38
Boys under supervision at end of period	86
Boys in Foster-Homes	9
Ret. Home to attend School	13
Unemployed	5
Returned to the School	25
Boys discharged during period	82
Former pupils enlisted	163

Six boys have changed Province.

Several families having moved to the South of the Province during the year, we took the liberty of requesting the transfer of the guardianship of these paroled boys to St. John's Training School, Toronto.

BRO. JEROME,
Superintendent.

STATISTICAL REPORT
TRAINING SCHOOLS ADVISORY BOARD

April 1st, 1943 to March 31st, 1944

NUMBER OF CASES REVIEWED

	St. Mary's Training School, Toronto	St. John's Training School, Toronto	St. Joseph's Training School, Alfred	Ontario Training School, Cobourg	Ontario Training School, Bowmanville	Ontario Training School Guelph	Total
Designations	50	100	66	96	210	18	540
Applications for Admission Recommended	13	6	6	2	—	—	27
Applications for Admission Not Recommended	1	2	1	1	1	—	6
Returns from Parole	—	20	20	63	71	2	176
Paroles recommended to Minister and made effective	86	121	96	332	619	14	1268
Paroles Refused	14	7	13	16	16	3	69
Placement Reports	70	226	149	150	857	1	1453
Attendance Reports	241	198	219	80	6	10	754
Termination of Wardship	41	55	60	69	164	5	394
Termination of Wardship Refused	—	1	—	—	2	—	3
Deaths	—	—	—	1	1	—	2
TOTAL	516	736	630	810	1947	53	4692

Number of Meetings held	53
Average number of cases reviewed at each meeting	89

TRAINING
COMMITTALS
For Year Ending

	Committed by Court	Admitted by Application	Transferred on Order of Minister	Total	Male	Female	City	Town	Township	Ages									
										7	8	9	10	11	12	13	14	15	16
Algoma District	12			12	6	6	5	2	5					2	3	4	1	2	
Brant	8		1	9	7	2	6		3						2	3	1	2	1
Bruce	1			1		1		1									1		
Carleton	23	4	1	28	25	3	28					1	1	3	2	5	8	8	
Cochrane District	17			17	12	5		12	5			1		2	1	5	5	3	
Dufferin																			
Elgin	4			4	2	2	2		2							1	2	1	
Essex	17			17	10	7	14	1	2			1	2	2		4	3	5	
Frontenac	11			11	9	2	10		1					3	2	3	2	1	
Grey	5		1	6	5	1	4	1	1			1					2	3	
Haldimand	2			2	2			2									1	1	
Haliburton	1			1		1		1										1	
Halton	1	1		2		2		1	1								2		
Hastings	6	1		7	5	2	4	3				2					4	1	
Huron																			
Kenora District	8			8	8			5	3				1	1	1	3	1	1	
Kent	9			9	6	3	7		2				1		2	1	4	1	
Lambton	9			9	6	3	7		2				1			1	3	4	
Lanark	2			2	1	1		2									1	1	
Leeds-Grenville	7			7	5	2		7								1	4	2	
Lennox-Addington	2	1		3	2	1		2	1								1	2	
Lincoln	13			13	8	5	8		5				1	1	1	3	3	4	
Manitoulin District																			
Middlesex	24			24	11	13	17	2	5				2		2	2	7	10	1
Muskoka District	4			4	4			2	2			1			1	1	1		
Nipissing District	6		2	8	7	1	5	2	1						2	2	2	1	1
Norfolk	3			3	2	1		1	2									3	
Northumberland and Durham	5			5	1	4		2	3					1	1	1	1	1	
Ontario	9			9	7	2	6	2	1			1					2	6	
Oxford	3			3	2	1	2		1					1			2		
Parry Sound District	2			2	1	1		2								1		1	
Peel	5			5	5			4	1						2		1	2	
Perth	3			3		3		2	1								2	1	
Peterboro	8			8	7	1	7	1					1	1	1	1	2	2	
Prescott-Russell	7			7	7			4	3						2	1	3	1	
Prince Edward	3			3	3			3							1		2		
Rainy River District																			
Renfrew	9			9	7	2		7	2				1		1	2	3	2	
Simcoe	10			10	6	4		7	3					2	1	1	2	4	
Stormont, Dundas and Glengarry	14	1		15	10	5		11	4			1	1	1		2	5	5	
Sudbury District	12		3	15	11	4	8	2	5				2	3	1	1	2	4	2
Temiskaming District	10		1	11	11			7	4			1	1	1		1	2	5	
Thunder Bay District	14		1	15	13	2	12		3			1	1	1	2	3	3	3	1
Victoria	4			4		4		2	2						1	1		2	
Waterloo	10			10	5	5	9		1							1	3	5	1
Welland	8			8	6	2	4	2	2						1	3		4	
Wellington	11			11	10	1	9	2					2	1	1	2	2	3	
Wentworth	45		2	47	36	11	42	2	3		1		3	5	5	8	11	14	
York	117	18	5	140	111	29	122	4	14	1			7	13	17	24	36	40	2
TOTAL	504	26	17	547	402	145	338	113	96	1	1	11	28	44	56	92	143	162	9

SCHOOLS
AND ADMISSIONS
March 31st, 1944

	Ward of C.A.S.		Others		Cause of Committal or Admission									
	Parents Married	Parents Unmarried	Parents Married	Parents Unmarried	Arson	Assault	Break and Enter	Homicide	Immorality	Incorrigibility	Theft	Truancy	Vagrancy	Willful Damage
Algoma District	...	...	10	2	...	1	2	...	1	3	3	1	1	...
Brant	...	...	8	1	...	...	2	...	...	1	6	...	...	...
Bruce	...	...	1	...	...	...	...	...	...	1	...	...	...	...
Carleton	4	1	23	...	...	...	7	...	...	7	10	3	1	...
Cochrane District	1	1	13	2	...	...	2	...	2	4	8	1	...	...
Dufferin	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Elgin	...	...	3	1	...	...	...	...	...	2	2	...	...	...
Essex	4	1	11	1	...	...	1	...	1	8	5	2	...	...
Frontenac	1	1	8	1	...	...	...	...	...	2	3	6	...	...
Grey	1	...	3	2	...	...	2	...	1	2	...	1	...	...
Haldimand	...	...	2	...	...	...	...	...	...	...	2	...	...	...
Haliburton	...	...	1	...	...	...	...	...	...	1	...	...	...	...
Halton	...	...	2	...	...	...	...	...	...	1	...	1	...	...
Hastings	...	...	6	1	...	...	1	...	1	4	...	1	...	...
Huron	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Kenora District	...	...	8	...	...	...	...	...	...	1	7	...	...	...
Kent	1	...	8	...	...	...	1	...	1	3	3	1	...	...
Lambton	1	1	6	1	1	...	...	...	...	4	2	1	1	...
Lanark	...	...	1	1	...	...	...	...	...	1	1	...	...	...
Leeds-Grenville	1	...	5	1	...	...	2	...	...	2	3	...	...	...
Lennox-Addington	...	1	2	...	...	...	1	...	...	2	...	...	...	...
Lincoln	...	...	12	1	...	...	2	...	1	7	3	...	...	...
Manitoulin District	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Middlesex	6	2	15	1	...	1	...	...	1	13	9	...	...	...
Muskoka District	1	...	3	...	...	1	...	...	...	2	1	...	...	...
Nipissing District	...	...	8	...	...	...	1	...	...	1	4	2	...	...
Norfolk	...	...	3	...	...	...	...	...	...	2	1	...	...	...
Northumberland and Durham	...	...	5	...	...	...	...	...	...	3	1	...	1	...
Ontario	...	1	8	...	...	1	...	...	...	6	2	...	...	...
Oxford	1	1	1	...	...	...	...	...	...	1	2	...	...	...
Parry Sound District	...	...	2	...	...	...	...	...	...	1	1	...	...	...
Peel	...	1	3	1	...	...	5	...	...	...	...	...	...	...
Perth	...	1	2	...	...	...	...	...	1	2	...	...	...	...
Peterboro	2	1	3	2	...	...	1	...	...	1	4	1	1	...
Prescott-Russell	2	...	5	...	...	...	...	...	...	2	3	2	...	...
Prince Edward	...	...	3	...	...	...	2	...	...	...	1	...	...	...
Rainy River District	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Renfrew	...	...	9	...	...	...	1	...	...	3	2	3	...	...
Simcoe	...	1	9	...	...	1	...	...	1	6	2	...	...	...
Stormont, Dundas and Glengarry	3	...	12	...	...	...	1	...	3	4	5	...	2	...
Sudbury District	2	1	12	...	...	...	1	...	1	5	5	3	...	...
Temiskaming District	2	...	9	...	...	...	3	...	...	...	6	...	...	2
Thunder Bay District	2	1	11	1	...	...	1	...	1	3	7	3	...	...
Victoria	...	...	3	1	...	...	...	...	...	4	...	...	...	...
Waterloo	...	...	10	...	...	...	...	...	2	2	5	1	...	...
Welland	2	...	6	...	...	...	2	...	...	1	1	4	...	...
Wellington	1	...	9	1	...	...	1	...	...	1	8	1	...	...
Wentworth	...	...	40	7	...	...	4	...	...	20	15	8	...	...
York	6	3	126	5	...	2	24	1	4	31	51	18	9	...
TOTAL	44	19	450	34	1	7	70	1	22	170	194	64	16	3

SUMMARY OF ATTENDANCE IN TRAINING SCHOOLS

April 1st, 1943, to March 31st, 1944

	St. Mary's Training School for Girls, Toronto	St. John's Training School for Boys, Toronto	St. Joseph's Training School for Boys, Alfred	Ontario Training School for Girls, Cobourg	Ontario Training School for Boys, Bowmanville	Ontario Training School for Boys, Guelph	Total
Number in Residence, April 1, 1943	96	142	103	54	24	6	425
New Commitments or Admissions	49	106	67	96	210	19	547
Returned from Parole:							
Violation of Parole	4	3	16	49	115	2	189
Not Satisfactory	2	5	5	9	10	—	31
Services no longer required	—	—	1	1	—	—	2
Pupils Dissatisfied	—	—	1	1	3	—	5
For Replacement	—	—	2	26	7	—	35
For Further Training	6	2	—	13	12	—	33
Court Order	—	9	—	—	4	—	13
Returned from A.W.L.	4	28	3	37	15	—	87
TOTAL	161	295	198	286	400	27	1367
Number of Placements:							
Returned Home for School	2	43	13	11	7	—	76
Returned Home to assist parents	—	1	10	4	—	—	15
Returned Home for Employment	13	38	24	8	9	9	101
To Boarding Home	4	7	9	42	181	1	244
To Positions (Farm, Factory, Domestic, etc.)	23	21	21	61	150	2	278
To Other Institutions	22	6	3	35	8	—	74
Number A.W.L.	4	34	3	41	17	—	99
Number Died	—	—	—	—	—	—	—
TOTAL	68	150	83	202	372	12	887
Number remaining in Residence March 31st, 1944	93	145	115	84	28	15	480

	St. Mary's Training School for Girls, Toronto	St. John's Training School for Boys, Toronto	St. Joseph's Training School for Boys, Alfred	Ontario Training School for Girls, Cobourg	Ontario Training School for Boys, Bowmanville	Ontario Training School for Boys, Guelph	Total
Number remaining out for whole year	33	105	53	74	296	10	571
Number placed and returned during year	9	5	24	52	51	2	143
Placed out in previous years and returned during present year	3	14	1	47	100	—	165

RETURNED FROM PLACEMENT DURING YEAR

	St. Mary's Training School for Girls, Toronto	St. John's Training School for Boys, Toronto	St. Joseph's Training School for Boys, Alfred	Ontario Training School for Girls, Cobourg	Ontario Training School for Boys, Bowmanville	Ontario Training School for Boys, Guelph	Total
After one placement..	10	13	20	32	62	1	138
After two placements.	1	4	4	27	30	—	66
After three placements	1	1	1	20	19	—	42
After four placements	—	1	—	11	19	—	31
After more than four placements	—	—	—	9	21	—	30
TOTAL........	12	19	25	99	151	1	307

NUMBER OF COURT APPEARANCES PRIOR TO COMMITMENT OR ADMISSION

	St. Mary's Training School for Girls, Toronto	St. John's Training School for Boys, Toronto	St. Joseph's Training School for Boys, Alfred	Ontario Training School for Girls, Cobourg	Ontario Training School for Boys, Bowmanville	Ontario Training School for Boys, Guelph	Total
None...............	25	21	24	52	42	—	164
One................	21	23	19	22	66	2	153
Two................	3	20	8	12	43	5	91
Three..............	—	17	7	7	30	3	64
Four...............	—	18	5	2	12	3	40
Five or more........	—	7	4	1	17	6	35
TOTAL........	49	106	67	96	210	19	547

NATIONALITIES OF PUPILS COMMITTED OR ADMITTED

	St. Mary's Training School for Girls, Toronto	St. John's Training School for Boys, Toronto	St. Joseph's Training School for Boys, Alfred	Ontario Training School for Girls, Cobourg	Ontario Training School for Boys, Bowmanville	Ontario Training School for Boys, Guelph	Total
Indian.............	6	3	1	2	2	—	14
Hebrew............	—	—	—	1	—	—	1
Negro.............	—	—	—	1	—	—	1
Canadian...........	43	99	31	51	202	16	442
Irish..............	—	—	18	6	—	—	24
English............	—	—	8	19	—	—	27
Scotch.............	—	—	—	7	1	1	9
American...........	—	3	—	2	2	2	9
Other..............	—	1	9	7	3	—	20
TOTAL........	49	106	67	96	210	19	547

SCHOOL ROLL AND COMPARISON

	Bed Capacity	In Attendance Mar. 31, 1940	In Attendance Mar. 31, 1941	In Attendance Mar. 31, 1942	In Attendance Mar. 31, 1943	In Attendance Mar. 31, 1944
Ontario Training School for Girls, Cobourg............	91	98	111	99	54	84
St. Mary's Training School for Girls, Toronto............	120	81	86	89	96	93
St. John's Training School for Boys, Toronto............	150	139	140	144	142	145
St. Joseph's Training School for Boys, Alfred..........	140	119	130	121	103	115
Ontario Training School for Boys, Bowmanville........	34	186	172	25	24	28
Ontario Training School for Boys, Guelph............	—	—	—	4	6	15
TOTAL...............	—	623	639	482	425	480
Girls....................	—	179	197	188	150	177
Boys....................	—	444	442	294	275	303

	St. Mary's Training School for Girls, Toronto	St. John's Training School for Boys, Toronto	St. Joseph's Training School for Boys, Alfred	Ontario Training School for Girls, Cobourg	Ontario Training School for Boys, Bowmanville	Ontario Training School for Boys Guelph
Average length of stay in the School, per pupil...	2 years 3 months	1 year 5 months	2 year 3 months	11 month	2 months	8 months
Net per diem cost per capita	$0.98	$0.99	$1.29	$1.53	$0.69	—

MENTALITY OF PUPILS COMMITTED OR ADMITTED

	St. Mary's Training School for Girls, Toronto	St. John's Training School for Boys, Toronto	St. Joseph's Training School for Boys, Alfred	Ontario Training School for Girls, Cobourg	Ontario Training School for Boys, Bowmanville	Ontario Training School for Boys, Guelph	Total
Morons—I.Q. 40-60........	3	5	10	2	6	—	26
High Grade Morons—I.Q. 60-70.............	10	6	12	4	17	—	49
Borderline—I.Q. 70-80	14	14	14	10	39	1	92
Dull Normal—I.Q. 80-90 ...	11	31	16	16	47	5	126
Normal—I.Q. 90-100.......	10	23	10	12	55	13	123
Normal—I.Q. 100-110......	1	20	4	16	27	—	68
Superior—I.Q. 110 and Over	—	7	1	3	19	—	30
Not examined	—	—	—	33	—	—	33
TOTAL.............	49	106	67	96	210	19	547

FACTORS CONTRIBUTING TO DELINQUENCY OF THOSE COMMITTED OR ADMITTED

	St. Mary's Training School for Girls, Toronto	St. John's Training School for Boys, Toronto	St. Joseph's Training School for Boys, Alfred	Ontario Training School for Girls, Cobourg	Ontario Training School for Boys, Bowmanville	Ontario Training School for Boys, Guelph	Total
Alcoholic Parents........	—	4	3	4	9	2	22
Desertion in Home.......	5	5	3	5	3	—	21
Either parent immoral ...	—	8	1	3	11	—	23
Either parent mental defective.................	—	2	4	1	7	—	14
Either parent with court record...............	2	3	6	1	7	—	19
Father dead.............	1	7	8	5	8	3	32
Mother dead.............	3	5	2	5	11	2	28
Parents dead............	2	2	2	4	2	1	13
Fair home but no Control	3	13	9	16	52	6	99
Poor Home and no Control	14	10	12	18	39	—	93
Stepfather..............	1	2	3	1	2	—	9
Stepmother.............	—	2	—	6	2	—	10
Parents Separated.......	13	7	8	21	29	4	82
Associations.............	4	31	4	2	11	—	52
Mentality of Child.......	1	5	2	4	—	1	13
Father in Armed Services.	—	—	—	—	17	—	17
TOTAL...........	49	106	67	96	210	19	547

ACTIVITIES OF RESIDENTS DURING YEAR

	St. Mary's Training School for Girls, Toronto	St. John's Training School for Boys, Toronto	St. Joseph's Training School for Boys, Alfred	Ontario Training School for Girls, Cobourg	Ontario Training School for Boys, Bowmanville	Ontario Training School for Boys, Guelph
Full time in Classroom.......	55	20	142	84	112	—
Part time in Classroom.......	38	123	18	10	343	19
Full time in Vocational Shops .	—	2	69	193	—	—
Part time in Vocational Shops .	38	123	37	10	—	—
Culinary....................	35	18	12	38	44	—
Sewing.....................	93	—	—	46	—	—
General Domestic............	40	—	—	—	—	—
Hairdressing.................	10	—	2	—	—	—
Barber Shop.................	—	2	—	—	—	—
Carpentry..................	—	1	36	—	2	—
Farming and Horticulture.....	93	17	13	56	125	—
House Maintenance..........	—	32	112	97	29	—
Laundry....................	—	—	7	81	—	—
Metal Work.................	—	—	—	—	—	—
Office......................	—	—	—	3	—	—
Printing....................	—	9	4	—	—	—
Shoe Making and Repairs.....	—	21	30	—	—	—
Tailoring...................	—	27	16	—	—	—
Wood Working..............	—	—	36	—	—	—
Part time at work	—	—	—	—	—	19
Nurse's Aid	—	—	—	5	—	—

LOOKING FORWARD — Falls on the Aguasabon River, Thunder Bay District, being surveyed for possible 25,000 horsepower Hydro development

THIRTY-SEVENTH ANNUAL REPORT

OF

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

FOR THE YEAR ENDED OCTOBER 31st

1944

ONTARIO

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1945

THE HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO

T. H. Hogg, B.A.Sc., C.E., D.Eng. . . . . *Chairman*

Hon. George H. Challies, Phm.B., M.L.A..*Commissioner*

W. Ross Strike (from June 16, 1944) . . . . *Commissioner*

Osborne Mitchell . . . . *Secretary*

To His Honour

THE HONOURABLE ALBERT MATTHEWS, LL.D.,

Lieutenant-Governor of Ontario

MAY IT PLEASE YOUR HONOUR:

The undersigned respectfully presents the Thirty-Seventh Annual Report of The Hydro-Electric Power Commission of Ontario for the fiscal year which ended October 31, 1944.

The record of the Commission's work presented in this Annual Report relates to three principal fields—the co-operative municipal field, the field of rural supply, and the northern Ontario field. The first two cover the Commission's activities on behalf of the co-operative systems, and the last relates to its trusteeship of the Northern Ontario Properties on behalf of the Province. Throughout the various sections of the Report dealing broadly with physical operation of the plants, constructional activities and financial statements, these fields of activity are clearly differentiated.

The Report also presents for the calendar year 1944 financial statements and statistical data relating to the municipal electric utilities operating in conjunction with the co-operative systems for the supply of electrical service throughout the Province.

HYDRO IN 1944

Less spectacular than in the early years of the war, but none the less essential, have been Hydro's achievements in the past year. That there has been no slackening in Ontario's war effort is shown by the fact that the electrical energy generated and purchased by the Commission to supply the Ontario load reached an all time high, exceeding twelve billion kilowatt-hours. Except for a few peak load periods when temporary cuts of short duration had to be made in "at will" power, all the demands for war activities in Ontario were met and essential civilian domestic and municipal power requirements suffered no shortage.

During the winter of 1943-44 strict economy and conservation of energy was required on the part of all citizens to enable the Commission to meet war's demands. Later in 1944, due to some curtailment in the power demands of a few industries, the Dominion Power Controller was able to ease certain restrictions against municipal and commercial use which had been in effect since 1942. The margin between available supplies and present demands is still very small, but the total power supply has been made more effective by careful co-ordination, by improved equipment and by constant vigilance.

RELIABILITY OF HYDRO SERVICE

It is a remarkable tribute to the efficiency and reliability of Hydro service that, during and following the great snowstorm of December 12, 1944, when transportation throughout the southern areas of Ontario was seriously crippled, electricity remained everywhere available "at the flip of a switch" for all the multiplicity of needs of our modern way of living.

Hydro service continued to pump our municipal water supplies and light our streets; it supplied power for the elevators in our public and commercial buildings and in many ways assisted in the restoration of transportation service. In our homes it provided hot meals and baths for many whose vitality was lowered as a result of struggling through the snow. It provided power for the radio and thus enabled measures for the alleviation of distress to be co-ordinated.

Throughout the countryside well illuminated farm houses gave assurance of safety and protection against the menace of the storm. Food supplies were protected by electric refrigeration and farm operations dependent upon electrical service continued to function with full efficiency. Without the aid of Hydro service the hardships resulting from this snowstorm, unprecedented since the era of automobile transportation, would everywhere have been more difficult to cope with.

Hydro service is being maintained under difficulties resulting from wartime shortage of manpower and materials. About 1,200 Hydro employees are at present either in the armed forces or in the service of the Dominion government doing special technical work associated with the war.

CO-ORDINATION OF POWER SUPPLIES AND LOAD DEMANDS

During 1944 also, operating conditions on the whole were favourable. All the Commission's generating plants, with an aggregate normal capacity of 1,630,000 horsepower, were operated to the maximum extent. Generating units in all stations were only taken out of use in order to perform absolutely essential maintenance work.

Water conditions on most rivers and storage basins were sub-normal during the year. The spring run-off was less than that usually attained and in some areas an acute water shortage developed during the summer and fall months, necessitating strict conservation of storages during this period.

Fall rains were extremely light and the customary replenishment of storage at this time of the year was small, so that the winter season was entered with water storages in many areas below satisfactory levels.

No trouble from ice runs was experienced during the year. Electrical storms were numerous but damage was not serious except on two occasions when fires, due to lightning, caused damage to switching equipment at the Ontario Power plant on the Niagara river.

Amalgamation of Southern Ontario Divisions Proving Beneficial

An outstanding feature in the operation of the Southern Ontario system during the year was the creation of the Power Supervisors' office at Toronto. The organization of this office was completed early in the summer when it commenced operation on a 24 hour basis. Through an intricate system of communication lines, the power supervisors are in constant touch with all dispatching points and are in constant control of all generation, storages and purchased power, as well as the load demands of all main points of distribution. Thus supply and demand are co-ordinated in a manner which makes the most efficient use of the Commission's resources and increases the reliability of service to all customers served by the Southern Ontario system.

Automatic Control of Frequency

Since 1934 the frequency of the Commission's Niagara division has been automatically controlled, and more recently similar facilities were installed for precise control of frequency of the Eastern Ontario division. Amalgamation of these divisions, along with the Georgian Bay division to form the Southern Ontario system, has involved physical interconnection through a frequency-changer set at Chats Falls, thereby establishing synchronous operation of all generators on the system. Synchronous motors and electric clocks also keep in step throughout the whole area from Ottawa to Windsor, and maintain remarkably constant rate.

One of the advantages of this interconnection is the ability to transfer power from one division to another, in order to make most efficient use of all available power resources. At the same time, interconnection created the problem of *controlling* the power transferred from one division to another. This involves regulating the amount of power generated in each division to provide for divisional fluctuations in demand and also regulating the transfer of blocks of power back and forth from one division to another. This problem was solved by the Commission's engineers, with specially designed equipment for regulating the output of Chats Falls, Barrett Chute and plants of the Gatineau Power Company supplying power to the Commission. Control of these widely separated plants is exerted from Chats Falls through carrier communication channels, totalling about 200 circuit miles.

DISTRIBUTION OF POWER TO SYSTEMS

PRIMARY POWER

20-Minute Peak Horsepower—System Coincident Primary Peaks

System	1943	1944
	October	
Southern Ontario system	1,946,327	1,981,428
Thunder Bay system	104,129	122,252
Northern Ontario Properties	184,598	192,075
Total	2,235,054	2,295,755
	December	
Southern Ontario system	2,033,103	2,044,416
Thunder Bay system	125,737	119,303
Northern Ontario Properties	189,652	220,936
Total	2,348,492	2,384,655

PRIMARY AND SECONDARY POWER

20-Minute Peak Horsepower—System Coincident Peaks

System	1943	1944
	October	
Southern Ontario system	1,972,708	2,043,646
Thunder Bay system	124,638	127,212
Northern Ontario Properties	215,429	245,299
Total	2,312,775	2,416,157
	December	
Southern Ontario system	2,114,953	2,084,275
Thunder Bay system	130,295	135,523
Northern Ontario Properties	191,918	273,611
Total	2,437,166	2,493,409

On the Southern Ontario system the primary load throughout the year, excepting one month, had a slightly higher horsepower peak than in the previous year which was the highest on record. The primary energy demands on this system however, declined by about half of one per cent.

For the Thunder Bay system primary energy demands were nearly ten per cent greater as a result of the new load delivered to the Steep Rock Iron Mines in the Rainy River district of the Northern Ontario Properties. In other areas served by the Northern Ontario Properties a further recession in gold mining activities caused a ten per cent drop in the output of primary energy.

The total output handled by the Commission from all sources in 1944 exceeded 12,000,000,000 kilowatt-hours. This was 2.2 per cent or about

260,000,000 kilowatt-hours above the previous year's output. Energy output for primary power purposes, which represents about ninety per cent of the total, decreased slightly from 10,853,000,000 kilowatt-hours in 1943 to 10,787,000,000 kilowatt-hours in 1944.

REORGANIZATION OF DEPARTMENTS

For some time the Commission has been studying its internal organization with a view to improving its efficiency by regrouping the duties and responsibilities of its senior officers. The Commission has now given approval to a regrouping into seven main divisions of the various departments and sections of the Commission. This new grouping which includes three engineering divisions is as follows: (1) Executive and Secretarial; (2) Accounting; (3) Treasury; (4) Engineering—Operations; (5) Engineering—Design and Construction; (6) Engineering—Municipal; (7) Sales Promotion.

Over the past ten years the Commission's business practically doubled, its revenues from the supply of power and other operations increased from 30¼ to 58½ million dollars and the energy handled by the Commission increased from 6½ to more than 12 billion kilowatt-hours. Much of this increase was due to the war but it meant increased work and responsibility in all departments of the Hydro service and especially to the engineering departments. It is believed that the regrouping effected will be beneficial to the efficiency of the whole organization.

FINANCIAL OPERATING RESULTS

Wartime conservation measures, put into effect in 1942, continued to restrict energy consumption and load growth until just before the end of the fiscal year in October when the restrictions were lifted. Nevertheless the supply of power to municipalities continued to grow with a resultant increase in revenue of about five per cent. Revenue from power sold to large industries as system customers, also increased slightly.

Wartime factors tending to increase costs of operation were off-set by lessened expenses, particularly by an appreciable decrease in interest charges, so that aggregate expenses of the Southern Ontario system were less then last year. The increased use of power by the co-operating municipalities, with lowered aggregate expenses for this system gave a lower cost per horsepower. Anticipating this the Commission, effective January 1, 1944, reduced interim rates for a large number of municipalities. Altogether, the financial outcome for 1944 as to revenues and costs in southern Ontario was eminently satisfactory.

On the Thunder Bay system a moderate decline in revenues from the sale of power to mines and paper mills was more than off-set by increase in power supplied to municipalities and to the Rainy River district of Northern Ontario Properties for the use of the Steep Rock Iron Mines. Taken in conjunction with relatively unchanged current expenses the financial operating condition of this system was exceptionally good in 1944.

In the districts of northern Ontario other than the new Rainy River district, there was continued decline in revenue from power used for gold and nickel production, particularly in the early months of the year but some reductions in expenses were effected and the financial operating results of the Northern Ontario Properties as a whole continued to reflect a sound condition.

Assistance to Small Municipalities With Higher Wholesale Unit Costs

It will be recalled that early in 1944 the Commission, reporting to the Provincial Legislature respecting differences in the cost of power supplied municipalities, stated that it had recommended to the cost contract municipalities that they be charged a small amount in the cost of power to be applied to bringing down the maximum cost per horsepower in certain exceptional cases. On March 15, 1944 the Ontario Municipal Electric Association adopted the following resolution:

> "While adhering to the basic principle of the supply of power at cost, the Ontario Municipal Electric Association recommend to the co-operating municipalities, which comprise its membership, that they agree to a voluntary levy of not more than five cents per horsepower on their municipal load in order to reduce the price to those municipalities whose power costs are excessive; and that this fund be used to reduce the price of power to these municipalities to not less than $39.00 per horsepower."

In accordance with this resolution The Hydro-Electric Power Commission, for the fiscal year ended October 31, 1944, reduced to $39.00 per horsepower the wholesale cost of power to a number of small cost contract municipalities whose cost in accordance with their contract would have exceeded this maximum.

Due to the large aggregate load taken by the municipalities in 1944 which tended to keep down the unit cost to all municipalities, the Commission was able to make this reduction in the price of power with a levy of only two cents per horsepower.

Hydro Utilities "Out of Debt"

The record of financial progress of the municipal electrical utilities, as summarized in the Commission's Annual Reports, has some outstanding and indeed impressive features. The financial year of the municipal Hydro utilities ends on December 31, and the records for 1944 are not all complete. However, by modifying the 1943 records by the use of data in hand for 1944 and making certain estimates, the following statement can be made.

There are now 298 urban Hydro utilities and the total of plant cost is $102,500,000. Because much of the plant has been financed by use of surplus and reserves, the total of debenture debt that was incurred throughout the years was only $57,200,000. Of this amount all but $13 000,000 has already been repaid and, besides the actual repayments, an additional $5,500,000 has been accumulated by certain municipalities in sinking funds specifically earmarked for meeting the principal on debentures. Thus the outstanding debentures not covered by sinking funds total only $7,500,000 or about 7.3 per cent of the total cost of plant.

But the relation of plant to debentures is only part of the financial picture. As long as a utility is a going concern it is likely to have at the end of any year current assets and current liabilities. The liabilities of the 298 municipalities other than debentures are recorded as $5,000,000. Available to meet these are current assets of a quickly realizable nature, of no less than $30,000,000. This gives an excess of current assets over current liabilities of $25,000,000, a sum three and one-half times as great as the debentures not covered by sinking funds.

The figures cited are, of course, simply a summation of 298 separate utilities. Considering them individually 254 have liquid assets sufficient to discharge their total liabilities and of these 171 have actually paid off their debenture debt. Even the 44 Hydro utilities that were not actually in a position to consider their plant as debt free were well advanced towards such a status. This group of municipalities has a total plant of $15,800,000 and their liquid assets applied against their total liabilities would leave only $1,300,000 as a remaining debenture debt against the plant.

Utilization of Reserves

It is the Commission's policy to defer until after the war any maintenance work not immediately essential for the security and satisfactory operation of its generating plants and other structures and equipment. A similar policy has governed the local Hydro commissions. It follows, therefore, that there is a large accumulated amount of normal maintenance work to be overtaken, increased in volume by the extra depreciation resulting from continuous operation at high loads.

To meet the costs of the maintenance work which has been deferred, and of new construction involving many overdue improvements and additions, the Commission and the local utilities have set aside during the war special reserves and have accumulated surpluses. Thus the surpluses accumulated by the local Hydro utilities are earmarked for an active programme of maintenance work and new construction. The programme at present planned would involve expenditures for deferred maintenance and new capital construction of about $6,000,000 per annum for the immediate post-war period.

ENGINEERING AND CONSTRUCTION ACTIVITIES

Although the Commission, during the past year, has completed no large generating plants or extensive transmission lines, nevertheless month by month and year by year the basic engineering work essential to the functioning of the whole Hydro service goes on without ceasing. Such co-ordinated planning for improved service involves many undertakings which were they not a relatively small part of a huge operating system would themselves be engineering accomplishments of no mean magnitude. For example, at Burlington transformer station one 40,000 kva synchronous condenser was placed in service in January and a second one in June. Again, the arrangements made to centralize in Toronto the overall supervision of operations in southern Ontario, involve the construction and co-ordination of an intricate system of communications and supervisory equipment.

During the war rapid changes have taken place in the power demands of certain industries. In other cases war industries have been established where no industrial development existed. Thus the Commission has had to be ready at all times, quickly to modify its distribution networks by increasing the capacity of its lines in one place, moving transformers from place to place, taking down copper conductor no longer required and re-erecting it in areas possibly hundreds of miles distant to meet new and unexpected developments. All this has been done under conditions made more difficult by the shortage of both labour and materials.

The chief engineering works carried on during the past year were the completion of the transmission line and auxiliary equipment serving the Steep Rock Iron Mines; the construction of a fourth unit of 19,000 horsepower at the Alexander development on the Nipigon river, and the additions at Burlington transformer station already referred to.

Long Range Planning

The power loads in southern Ontario, greatly increased by war demands, have put to use practically all available developed power sources. To serve these loads, the transmission and distribution facilities and the generating station capacities have been taxed to, and in some cases beyond, their proper economic limits in order to minimize expenditures of labour and materials in wartime. In the post-war years, after a period of adjustment, it is expected that normal load growth will be resumed and new power resources and facilities will be required. In addition many of the old facilities provided 20 or 30 years ago have become inadequate for best efficiency in the enlarged system, as it is expected to develop.

In order that extensions and rehabilitations may be made in an orderly manner to dovetail into a master plan, the Planning engineers of the Commission have been studying various possibilities of load growth that may develop throughout Ontario in the next 10 or 15 years, and determining the best sequence of power developments and arrangement of transmission and other facilities to meet the growing needs. It is, of course, not possible to foresee all contingencies, but it is possible to determine the governing engineering principles and make a long term plan, flexible as to details but orderly in its main framework. In making these studies the Commission's network calculator has rendered good service.

As part of its long term planning programme for improved transmission and distribution facilities, the Commission in 1944 decided to install at Essex transformer station a 40,000 kva synchronous condenser purchased at the same time as the two installed at Burlington transformer station and work on the project is in hand. Again, in the southern area of the Niagara peninsula the 44 kv supply of power from Niagara transformer station to Welland and Dunnville was replaced with a 26.4 kv supply from the 110 to 26.4 kv Crowland transformer station situated close to the centre of the very large industrial loads served in this area. The copper conductor used to supply the Steep Rock Iron Mine was largely salvaged as a result of these improvements.

Improvements to distribution networks included the replacement of a number of oil breakers with others of higher rupturing capacity; the erection at Tweed of a 100 kva 44/4 kv distribution station to supply the rural district; at Oakville a new station of 600 kva capacity, and a new station of 2,000 kva for the Polymer Corporation.

In the Thunder Bay system changes to relay, metering and switching equipment were made to improve service security and promote more efficient use of available power. The capacities of Port Arthur distribution station and Rosslyn distribution station were increased.

In the Rainy River district of Northern Ontario Properties completion of 120 miles of 110 kv transmission line from Port Arthur to Steep Rock Iron Mines, placed in service on November 28, 1943, was followed during 1944 by the erection of five patrolmen's houses along the right-of-way and by the construction of a 450 kva 44/8 kv step-down station at Atikokan to supply the townsite for Steep Rock Iron Mines.

Niagara Falls Remedial Weir Completed

One hydraulic project, the remedial weir above Niagara Falls, was completed in September 1944. The weir, built in the swift water above the rapids in the upper river, extends about 1,400 ft. toward the American shore from a point about 200 ft. from the Canadian shore. The gaps adjacent to the ends of the weir maintain an even flow of water close to the shores. At the Canadian side this increased flow maintains an ample supply of water for the power plants down stream. On the United States side the additional water ensures movement of ice from the vicinity of the intake of the United States power plants and enhances the beauty of the American falls.

The weir itself is entirely below the surface of the water and consists of a loose rock fill in which individual pieces of rock up to 10 tons in weight are used. When work ceased in 1944 the weir had restored levels in the upper river to the extent contemplated, had enhanced the appearance of the American falls and improved conditions for generation of power on both sides of the river.

Progress at Alexander Generating Station

The extension at Alexander generating station on the Nipigon river consists of the installation of a fourth unit for which provision was made when the plant was designed in 1929-30. The new unit of 19,000 horsepower will give the plant a total rated capacity of 73,000 horsepower, and with the existing plant at Cameron Falls a total capacity of 148,000 horsepower will be available on the Nipigon river.

Under the extra strain imposed by operation at full capacity for long periods repairs and renewals are considerably heavier and some essential work of this character was done at the Ontario Power plant at Niagara, at Eugenia Falls and Elliott Chute in the Georgian Bay division, and at High Falls in eastern Ontario.

Detailed surveys were made of a power site near the mouth of the Aguasabon river about sixty miles east of the Nipigon. The information secured indicates the possibility of completing a development having a capacity of 25,000 to 30,000 horsepower utilizing in addition to the flow of the Aguasabon river itself the flow diverted from the watershed of Long lake.

CONSERVATION OF NATURAL RESOURCES

The Hydro-Electric Power Commission is intimately concerned with the conservation of Ontario's natural resources in its widest and most beneficial interpretation.

Although primarily concerned with the development and utilization of electric power derived from the Province's rivers, the Commission nevertheless recognizes that water power is only one of several beneficial services in which water resources are employed. Other uses are domestic and municipal supply, agriculture and irrigation, navigation, fisheries, lumbering, flood control, sanitation and industrial requirements.

When planning to utilize water power resources, it is important to relate any proposed development to possible development at other sites on the same river. Before any development is undertaken a general scheme for a properly co-ordinated development of all power sites and storage facilities on the river is worked out. This was done on the Madawaska before the developments at Barrett Chute and Bark Lake dam were undertaken. Investigations in greater detail are now being made at special sites on the Madawaska river so that the plans for development may be so far advanced that no delay is experienced when the time comes to make use of them.

Conservation also implies the maintenance and, where possible, the improvement of the regimen of the flow of all power producing rivers. This in turn involves conservation of our land resources by the prevention of erosion, by the maintenance of fertility of the soil and by the use of the land in every case for the purposes for which it is most suitable.

To further this objective the Commission, during 1944, assisted a Dominion-Provincial project of some significance, namely, a report on the Ganaraska watershed, being represented by a member of its staff on an Interdepartmental Committee of the Province. The report was prepared through the joint authorization of the Dominion Government, represented by the Advisory Committee on Reconstruction, and the government of Ontario, represented by the Interdepartmental Committee on Conservation and Rehabilitation, and deals with the problems of conservation, flood control and rehabilitation in the watershed of the Ganaraska river which drains into lake Ontario at Port Hope.

Although this watershed of 100 square miles does not afford water powers of the magnitude required for modern central station electric supply, there were at one time 36 dams on the river, with 35 sawmills, 18 grist mills and 5 woollen mills. The problems dealt with in this sample or "type" survey are typical of those facing numerous other areas in the Province and the method of study and attack will serve as a guide elsewhere.

Further studies, in all probability, will be made in other river valleys and with this in view, a National Resources Research Committee has been formed by the Provincial Department of Planning and Development. The Commission's Hydraulic Engineer has been appointed to this committee.

NEW PROPERTIES IN NORTHERN ONTARIO

The Hydro-Electric Power Commission of Ontario has agreed, on behalf of the Government, to purchase the power system of the Northern Ontario Power Company Limited for $12,500,000, and when the necessary legal matters have been completed the Commission will take over its operation.* The properties include eight hydro-electric plants with an installed capacity of 66,840 horsepower, 739 miles of transmission lines, 157 miles of distribution lines and 421 miles of telephone lines. Of the installed capacity of 66,840 horsepower, 26,040 horsepower is generated at 60 cycles; the remainder is generated at 25 cycles.

For some years the Commission has been selling power wholesale to the Northern Ontario Power Company and at the same time supplying adjacent mining territory with service. When acquired the properties will be amalgamated with the Abitibi district of the Northern Ontario Properties. By eliminating duplication of service economies will be secured. The acquisition would also enable the Commission to extend its Hydro rural service to many consumers in the areas served by the Company. It would further allow the Commission to reduce the cost of power to the mines in this territory from

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*This was done on March 27, 1945.

$36.00 per horsepower to the price recently approved by the Government to all mines served by the Commission, which is $27.50 per horsepower. The new price of $27.50 per horsepower will represent a substantial saving and encourage development in hard rock mining in the immediate post-war period.

BRIGHT FUTURE FOR RURAL ELECTRIFICATION

The release by the Metals Controller of an increased quantity of material for the construction of rural primary lines that would bring Hydro service to food producers, or otherwise be of assistance to the war economy in rural areas, enabled the Commission to resume on a moderate scale the extension of rural service. A total of four hundred miles of primary line, chiefly short extensions to existing lines, was actually constructed and service was given to about 10,000 new consumers, 7,000 of whom received service from lines which already existed. The total number of consumers on rural lines at the end of 1944 exceeded 146,600.

Notwithstanding restrictions ordered by the Dominion Power Controller, which continued in force until October 1, 1944, the average power sold to all rural consumers, including war industries in rural areas, increased by nearly fourteen per cent. Although the various restrictions, both on extensions and use, have held back the utilization of Hydro service in rural Ontario, there is strong evidence everywhere of a keen desire to use more electricity—a desire that has been stimulated by the new uniform rural rate structure. Plans are being formulated and preparations made for increasing the use of Hydro service in farming communities after the war, in order to bring closer the time when Hydro service throughout the rural areas of Ontario will be taken as much for granted as it now is in the cities, towns and villages of this Province.

ADAPTATION TO WARTIME REQUIREMENTS

As is the case with many other large electric supply organizations, the staff of the Commission formerly engaged in promotional activities has, during the war years, devoted its attention primarily to the more efficient use of electricity by all consumers, to promoting new and more effective uses by war industries, to the encouragement of improved lighting in war production and to problems related to priorities and permits for the use of rationed or scarce supplies.

During 1944 a pamphlet entitled "Hydro on the Farm" was widely distributed to members of the Radio Forum and to various agricultural organizations throughout the Province. The revised rural rate structure and uniform rates and service classifications were explained to the public through general advertising channels.

A motion picture entitled "The Romance of a River" was produced and widely shown throughout the Province and copies of the film were sent to

Canada's army overseas. This picture tells the story of the Ogoki diversion and the DeCew Falls development.

Great interest has been developed in the subject of adequate lighting in schools; more than two hundred received assistance in planning better lighting. Offices and industries have also shown a steadily increasing interest in problems regarding better lighting. It is expected that when equipment is readily available this increased interest will react favourably to the revenue of the Hydro utilities and the Commission.

TESTING AND RESEARCH

All important materials and equipment purchased by the Commission are required to meet its specifications in order to ensure the high standard of construction which results in reliable, safe and economical operation. Routine inspection and testing are, therefore, an important part of the work of the Commission's laboratories.

Research in various fields was primarily concerned with activities for the Dominion government having actual potential value in prosecuting the war. In addition important studies were made of possible post-war applications for electricity in both the industrial and rural fields. The electric smelting of Ontario ores, the quick freezing of foods and the development of an improved Hydro water-heating unit for domestic use are some of the projects under study.

New developments in materials and equipment that after the war will become available to industry have been studied by the laboratories with a view to their application to the Commission's work. Plastics and synthetic rubber are well known examples; others occur in the field of electronics which offer new methods of recording electrical and physical quantities at a speed and accuracy hitherto impossible.

A third group of investigations bear on the conservation of critical materials and the more efficient operation and maintenance of Commission's properties. Examples of these include studies of methods for prolonging the life of wooden poles by preservative treatment in situ; methods for the early detection of faults in electrical insulation, and the protection of transformers, transmission lines and other electrical equipment against the hazards of lightning. An important section of the Commission's research activities is devoted to making improvements in the quality of concrete to make it more resistant to severe winter climate.

Many benefits accrue to the Commission, to industry and to the public by the development of technical standards. To this end the laboratories co-operate in the technical work of the principal engineering and scientific bodies in Canada and the United States.

THE COMMISSION AND ITS EMPLOYEES

Since its formation The Hydro-Electric Power Commission of Ontario has sought to build into the Hydro organization a deep sense of public responsibility. It was early recognized that this could not be achieved unless competent technical assistance was employed under conditions which would ensure continuity of service. The Commission, therefore, has adhered to the merit system in the appointment and promotion of personnel, it has given fair remuneration and a high degree of security of employment. In return it has demanded and received from its employees intelligent industrious application and loyalty to the organization.

The Quarter Century Club

The Commission, created in 1906, has now been functioning for thirty-eight years. During the first few years its staff was relatively small but as the years passed the number of employees who had been with the Commission many years steadily increased until in 1938 it became possible to form the Quarter Century Club, with 109 active members. To-day those who have been with the Commission for twenty-five years or more number about 575 not including 30 retired on pension, and of this number 120 have served for thirty years or more.

Employees in the Services

In common with other industries the Commission has had to contend with a serious manpower shortage. Up to the present some 1,200 employees have enlisted in the armed services. Thirty-seven of these have been reported killed in action or missing and many have been decorated. When compulsory military service was instituted the Commission decided not to ask for deferments on behalf of its employees except for employees in certain vocations which required a lengthy period of training, and this policy has been consistently followed.

Those employees returning from the armed forces and other war work are, and will be assured of fair considerate treatment and protection of their seniority.

Accident Prevention and Safety

The electrical supply industry necessarily involves certain work that is classed as being of a hazardous nature. The Commission therefore, maintains a Safety Engineering staff whose principal function is directed towards the prevention of accidents. Every effort is made to ensure safe working conditions, fire protection, health and sanitation.

Accident prevention meetings educate the employees in safety measures and give instruction in artificial respiration. During the past year Commission employees have successfully resuscitated two fellow employees from electrical shock and in addition three members of the public—two from gas asphyxiation and one from drowning. During the past few years the accident frequency has gradually declined.

Health Service

The Commission maintains a Medical staff to safeguard the health of its employees and to care for the injured. On all large construction jobs first aid personnel and equipment are supplied. Health conditions at all construction camps, including periodic examinations of drinking water supplies, are carefully checked.

Many power stations and communities connected therewith are situated in isolated places. In these nurses and field hospitals, together with community welfare activities, are maintained.

All employees to be engaged on a permanent basis are medically examined as well as all temporary employees going into unorganized territory.

During the past year an equitable plan of sick leave allowance has been instituted under which each employee may know exactly the benefits to which he is entitled.

Pensions and Insurance

The Commission's employees have had a contributory Pension and Insurance Plan for many years. Certain employees were unable for various reasons to qualify for the benefits under this plan and to assist this group a Savings and Retirement plan has recently been inaugurated which will build up a substantial fund for each employee by the time he leaves the employment of the Commission or reaches retirement age.

The Commission's desire is to ensure that the working conditions and remuneration for its employees shall be maintained at satisfactory levels consistent with economical business management. It believes in co-operation and consultation to this end and joint meetings are held regularly between representatives of the employees and management at various points to discuss difficulties which are usually settled to the satisfaction of both parties. To eliminate as far as possible discrepancies between various positions and districts a system of job evaluation and wage schedule has been established by co-operative action of employees and management.

THE LOCAL COMMISSIONS AND PUBLIC SUPPORT

This review of "Hydro in 1944" would be incomplete without a tribute to the local Hydro commissions and their staffs. Throughout the war years the Commission has received splendid co-operation and in their capacity as distributors the Hydro utilities have made service to war plants paramount.

That electricity supply as a public function is now an accepted feature of Ontario's economic structure and receives public support, is largely due to the faithful service of the local Hydro organizations. Hydro is in fact broad-based upon the people's will and is loyally served by men and women who are inspired by the best traditions of public responsibility.

CAPITAL INVESTMENT AND RESERVES

Capital Investment

The total capital investment of The Hydro-Electric Power Commission of Ontario in power undertakings is $356,142,095.40 exclusive of government grants in respect of construction of rural power districts' lines ($20,426,487.38); and the investment of the municipalities in distributing systems and other assets is $136,688,780.23, making in power undertakings a total investment of $492,830,875.63.

The following statement shows the capital invested in the respective systems, properties and municipal undertakings, etc.:

Southern Ontario system (including Hamilton street railway)	$287,401,114.88
Thunder Bay system	20,600,112.40
Office and service buildings	3,704,910.50
Construction plant and inventories	3,260,601.56
Total capital investments in co-operative systems	$314,966,739.34
Northern Ontario Properties—Operated by H-E.P.C. on behalf of the Province of Ontario	40,978,022.68
Northern Ontario Properties—Construction plant and inventories	197,333.38
Total Commission capital investments	356,142,095.40
Municipalities' distribution systems	103,089,543.64
Other assets of municipal Hydro utilities	33,599,236.59
Total	$492,830,875.63

Reserves of Commission and Municipal Electrical Utilities

The total reserves of the Commission and the municipal electrical utilities for depreciation, contingencies, stabilization of rates, sinking fund and insurance purposes, amount to $344,684,635.20, made up as follows:

Southern Ontario system (including Hamilton street railway)	$179,907,080.12
Thunder Bay system	12,448,996.96
Office and service buildings and equipment	1,564,542.46
Total reserves in respect of co-operative systems' properties	$193,920,619.54
Northern Ontario Properties	18,660,068.92
Fire insurance reserve	132,583.65
Miscellaneous reserves	575,169.89
Employers' liability insurance, and staff pension reserves	10,780,663.84
Total reserves of the Commission	$224,069,105.84
Total reserves and surplus of municipal electric utilities	120,615,529.36
Total Commission and municipal reserves	$344,684,635.20

REVENUE OF COMMISSION

The revenue of the Commission at interim rates from the municipal utilities operating under cost contracts, from customers in rural power districts and from other customers with whom—on behalf of the municipalities—the Commission has special contracts, all within the Southern Ontario and Thunder Bay systems, aggregated $51,257,245.51. The revenue of the Commission from customers served by the Northern Ontario Properties, which are held and operated in trust for the Province, was $5,000,524.25, making a total (excluding $225,446.15 of Northern Ontario Properties revenue transferred to Thunder Bay system in respect of power supplied) of $56,032,323.61.

Summarized operating results of these co-operative systems and rural power districts and of the Northern Ontario Properties, follow:

Summarized Operating Results

SOUTHERN ONTARIO SYSTEM—THUNDER BAY SYSTEM
RURAL POWER DISTRICTS

Revenue: amount received from or billed against municipalities and other customers		$45,742,246.68	
Revenue from customers in rural power districts (Retail)		5,514,998.83	
Total revenue, systems and rural			$51,257,245.51
Operation, maintenance, administration, interest and other current expenses		$31,748,847.86	
Provision for reserves—			
Renewals	$2,738,600.43		
Contingencies and obsolescence	9,978,924.64		
Stabilization of rates	33,793.90		
Sinking fund	3,189,867.54		
		15,941,186.51	
			47,690,034.37
Balance			$ 3,567,211.14

NORTHERN ONTARIO PROPERTIES

Held and operated by The Hydro-Electric Power Commission of Ontario
In trust for the Province of Ontario

Revenue: amount received from or billed against municipalities and other customers			$ 5,000,524.25
Operation, maintenance, administration, interest and other current expenses		$ 2,866,368.18	
Provision for reserves—			
Renewals	$ 336,180.34		
Contingencies and obsolescence	384,161.22		
Sinking fund	1,183,099.86		
		1,903,441.42	
			4,769,809.60
Balance			$ 230,714.65

COMPARATIVE FINANCIAL STATEMENTS 1943-1944

Cooperative Systems of the Commission

SOUTHERN ONTARIO SYSTEM

Embracing Niagara, Georgian Bay and Eastern Ontario divisions

	1943	1944
OPERATING EXPENSES AND FIXED CHARGES	$ c.	$ c.
Power purchased	11,048,157.25	10,807,512.45
Operation, maintenance and administration	7,778,790.53	7,954,180.27
Interest	12,215,618.86	11,654,752.45
Provision for renewals	2,491,264.88	2,573,497.34
Provision for contingencies and obsolescence	8,051,691.69	9,430,542.93
Provision for stabilization of rates	1,693,094.10	....
Sinking fund	2,931,011.50	2,991,625.22
TOTAL COST OF POWER	46,209,628.81	45,412,110.66
REVENUE from municipalities at interim rates, from rural consumers and from private customers under contract rates	47,329,527.82	48,892,351.62
Net balance credited to municipalities under cost contracts	1,119,899.01	3,480,240.96

THUNDER BAY SYSTEM

	1943	1944
OPERATING EXPENSES AND FIXED CHARGES	$ c.	$ c.
Operation, maintenance and administration	375,030.54	405,465.42
Interest	973,434.96	926,937.27
Provision for renewals	165,159.46	165,103.09
Provision for contingencies and obsolescence	297,357.99	548,381.71
Provision for stabilization of rates	90,335.03	33,793.90
Sinking fund	198,272.40	198,242.32
TOTAL COST OF POWER	2,099,590.38	2,277,923.71
REVENUE from municipalities at interim rates, from rural consumers and from private customers under contract rates	2,188,377.46	2,364,893.89
Net balance credited to municipalities under cost contracts	88,787.08	86,970.18

MUNICIPAL ELECTRIC UTILITIES

The following is a summary of the year's operation of the local electric utilities conducted by municipalitites receiving power under cost contracts with the Commission:

Total revenue collected by the municipal electric utilities		$42,835,234.32
Cost of power	$26,470,209.32	
Operation, maintenance and administration	6,776,281.18	
Interest	700,899.23	
Sinking fund and principal payments on debentures	1,544,325.89	
Depreciation and other reserves	3,441,959.82	
Total		38,933,675.44
Surplus		$ 3,901,558.88

With regard to the local Hydro utilities operating under cost contracts, the following statements summarize for each of the co-operative systems administered by the Commission, the financial status and the year's operations as detailed in Section X of the Report.

SOUTHERN ONTARIO SYSTEM

The total plant assets of the Southern Ontario system utilities amount to $98,833,491.76. The total assets, including an equity in the H-E.P.C. of $65,837,399.13 aggregate $196,442,843.71. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in the H-E.P.C., amount to $115,211,106.10, an increase of $7,127,495.67 during the year 1944. The percentage of net debt to total assets is 7.3 a reduction of 2.6 per cent.

The total revenue of the municipal electric utilities served by this system was $41,653,417.31, an increase of $1,658,835.58 as compared with the previous year. After meeting all expenses in respect of operation, including interest, setting up the standard depreciation reserve amounting to $2,572,031.61 and providing $1,538,248.57 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Southern Ontario system amounted to $3,729,360.56, as compared with $1,767,449.09 the previous year.

THUNDER BAY SYSTEM

The total plant assets of the Thunder Bay system utilities amount to $2,784,298.13. The total assets, including an equity in the H-E.P.C. of $3,649,148.88, aggregate $7,727,494.76. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in H-E.P.C., amount to $3,713,753.51 an increase of $146,390.34 during the year 1944. The percentage of net debt to total assets is 6.2, a reduction of 0.3 per cent.

The total revenue of the municipal electric utilities served by this system was $1,181,817.01, an increase of $52,252.90 as compared with the previous year. After meeting all expenses in respect of operation, including interest, setting up the standard depreciation reserve amounting to $54,253.00 and providing $6,077.32 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Thunder Bay system amounted to $172,198.32, as compared with a net surplus of $144,848.45 for the previous year.

* * *

AFTER THE WAR

Forecasting post-war trends in Canada's power supply requirements is difficult because variations in power demands are influenced chiefly by the industrial load. Before the war Canada had reached fifth place in world trade among exporting nations and has since acquired a greatly enlarged capacity to produce both agricultural and manufactured products. The ability to export these products depends not only upon matters of provincial and national economy but upon international trends and policies.

So far as Ontario is concerned it would appear to be in a relatively advantageous position with regard to power supplies in the immediate post-war era. During the later war years the Commission has been able to put to use all available power and energy and is virtually operating without any idle reserves of power. In fact, certain loads have been and are being cut during heavy peak load periods. This means that when war production eases off the Commission will welcome the accumulation of small power surpluses that will give it a safe margin of capacity over primary load and enable it to undertake a heavy programme of rehabilitation. After such safety reserves have been reestablished, the Commission will be able to relinquish certain power supplied for the war's duration under short term contracts.

Throughout the years the policies basic to the Hydro enterprise have resulted in a higher proportion of energy being supplied to the domestic load, a very stable load, than is usually the case elsewhere. Furthermore, even in the industrial field the Hydro load is well distributed to industries of a diversified character. Many of Ontario's factories therefore will quickly be reconverted to resume their former peacetime production in order to supply the large backlog of consumer needs. As the country returns to peacetime conditions, active salesmanship will be brought to bear to stimulate the demand for such consumer goods. The Hydro Commission is planning to resume its sales promotion programme interrupted by the war and is making plans for this work covering domestic, rural, commercial, street lighting and industrial fields. In the rural field special attention will first be given to promoting the use of equipment which will result in increased cash returns to the farmers. For urban service emphasis will be put upon the sale of appliances having good load building characteristics such as ranges, water heaters and improved lighting.

Whatever may be the immediate effect of the cessation of hostilities upon power demands in Ontario, it remains true that the wealth of a modern state and its standard of living may largely be measured by its productive output per man-hour of work. The master key to greater productivity is to increase the amount of power employed per worker. In the long run therefore, Canada's continuing prosperity will depend upon whether or not it continues to develop and put to beneficial use increasing amounts of power derived from the water power resources with which this country has been so generously endowed.

Respectfully submitted,

T. H. HOGG,

Chairman

TORONTO, ONTARIO, MARCH 31, 1945.

T. H. HOGG, ESQ., B.A.SC., C.E., D.ENG.,

Chairman, The Hydro-Electric Power Commission of Ontario,
Toronto, Ontario.

Sir:

I have the honour to submit, herewith, the Thirty-Seventh Annual Report of The Hydro-Electric Power Commission of Ontario for the fiscal year which ended October 31, 1944. This report covers the operations of the Commission with regard to the supply of power to, or on behalf of, the partner Municipalities of the Co-operative Systems, as well as the administration of the Northern Ontario Properties, which are held and operated by the Commission in trust for the Province of Ontario.

I have the honour to be, Sir,

Your obedient servant,

OSBORNE MITCHELL,
Secretary

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After strenuous work in the open the meals provided become an important feature of life in a construction camp. Right, timber form work for a dam in eastern Ontario. Below, one of three bays in the dining room of a construction camp

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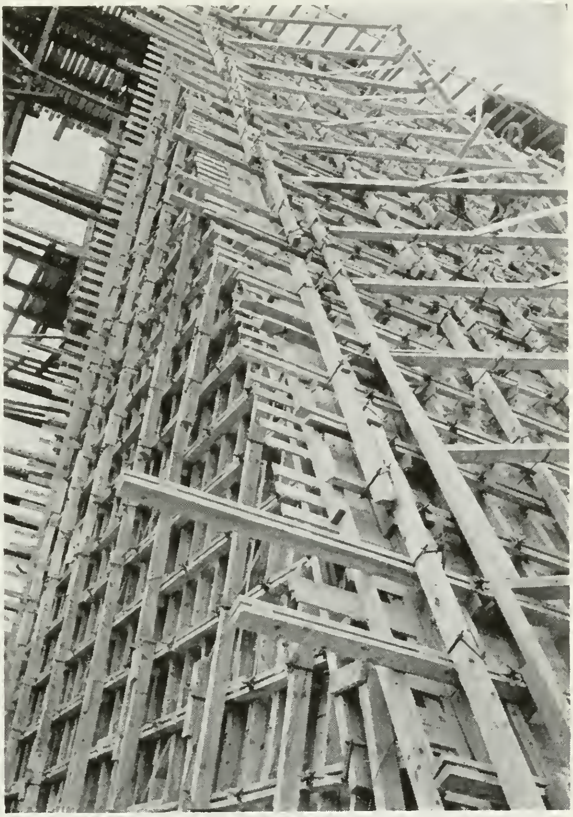
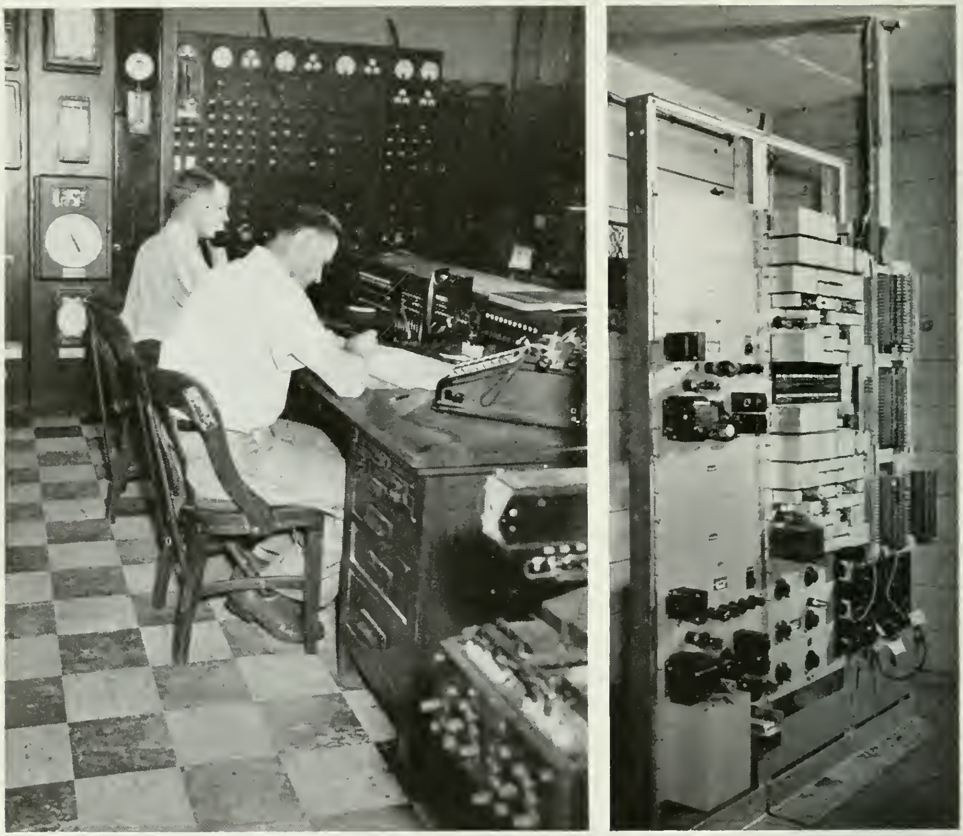
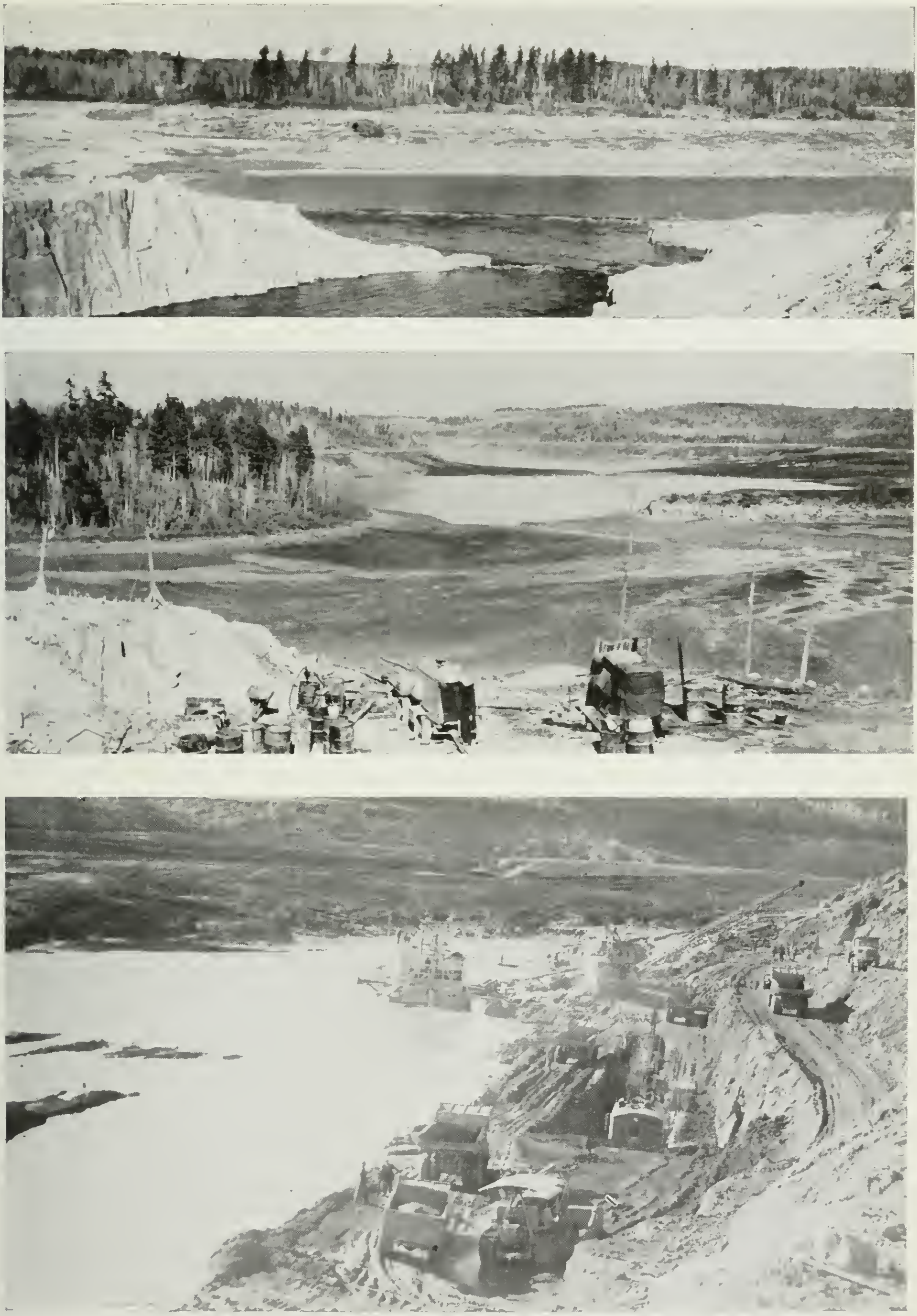
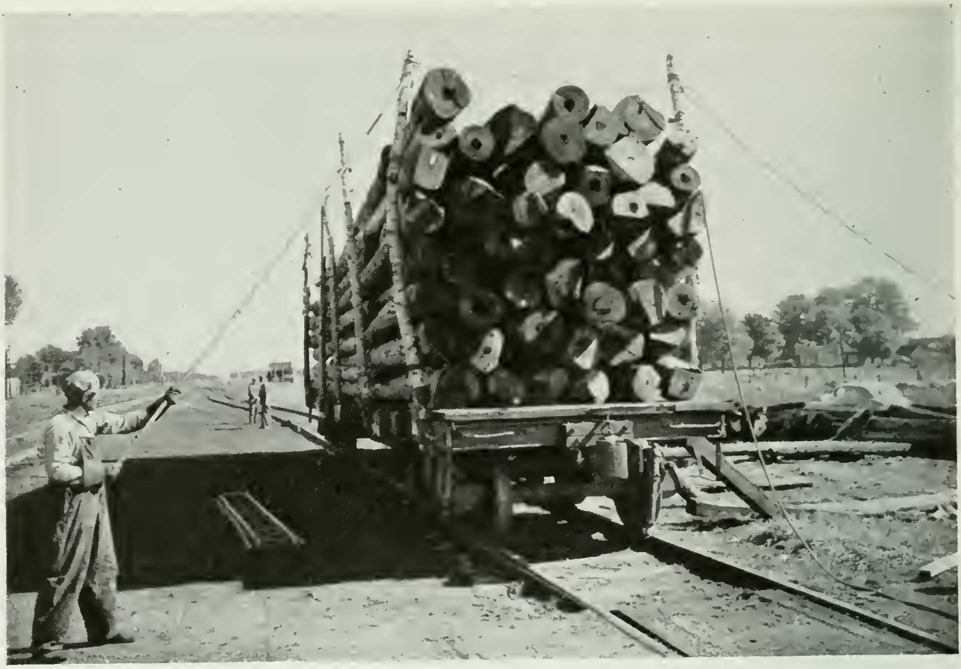




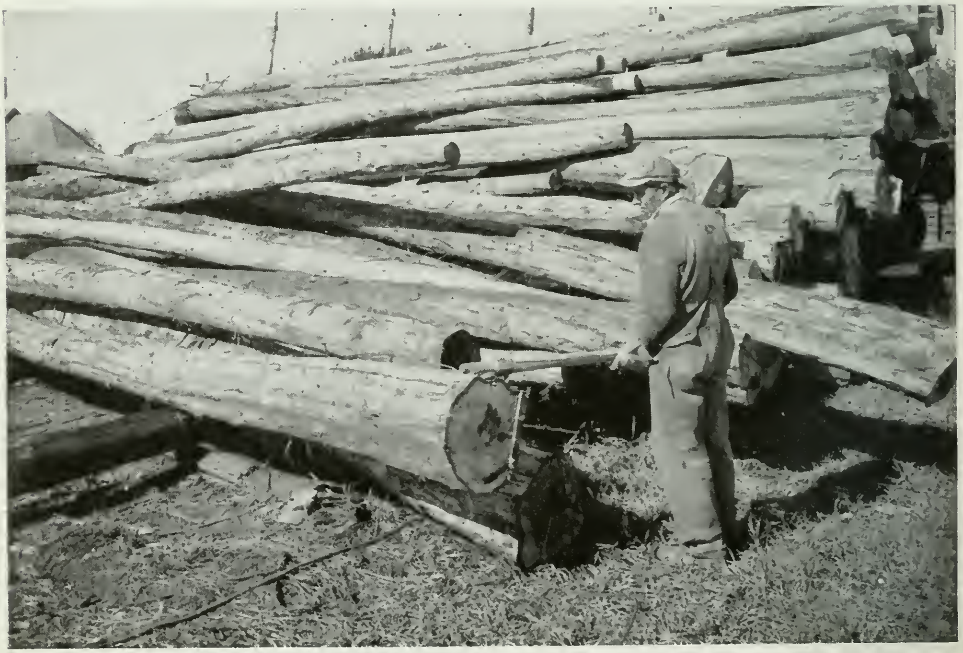
Co-ordination of power supplies and load demands over a wide area is greatly facilitated by automatic frequency control and the use of carrier communication channels. Left, control room and right, carrier equipment at Chats Falls generating station. Below, network calculator



Unwatering Steep Rock Lake. (a) First step, diversion of inflow via Finlayson lake to lowest arm of Steep Rock lake. Exit to diversion channel from lowered Finlayson lake. (b) Steep Rock lake lowered 70 feet, bar appearing between Falls bay at inlet end and middle section covering ore bodies A and B. (c) Mining ore from ore body B, lake down 130 feet

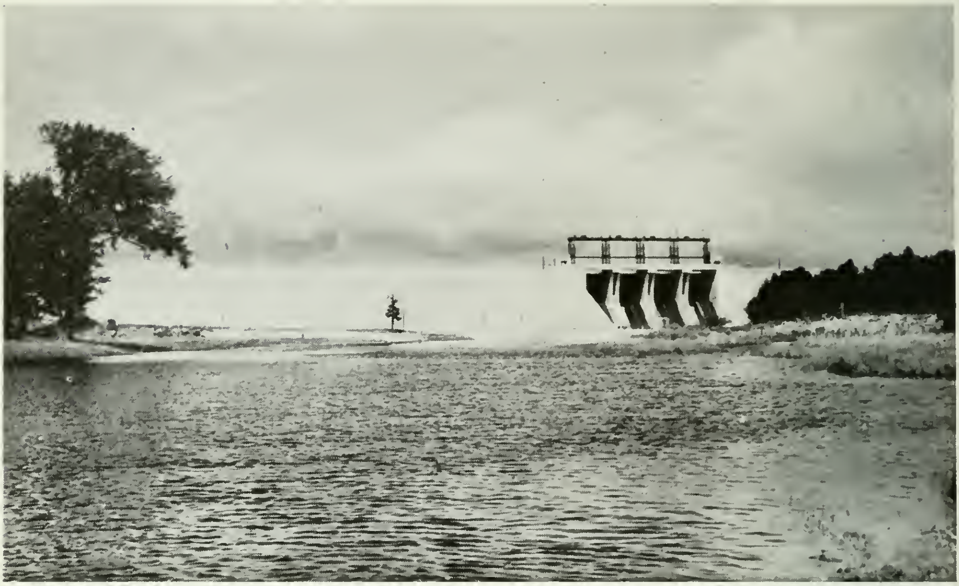


Accident prevention and safety engineering contribute to reliability of service under wartime conditions. Unloading a carload of poles at one time was considered a hazardous undertaking. The application of sound methods and good supervision has reduced it to a simple and safe operation. Above, safe way to cut the top wires when unloading a car of poles. Below, a safe position for a workman to take when rolling a pole



The use of caterpillar tractors greatly facilitates the stringing of power conductors in the rough northern mining districts of Ontario

By the construction of a Remedial Weir above the Canadian Falls at Niagara the scenic beauty of both falls was improved and more water was made available for war time power needs. Broken water shows line of weir with tail cableway tower at right



Floods, erosion and pollution adversely affect the prosperity of river valley communities and lessen the demand for electrical service. Above, the Shand Dam, the first conservation unit constructed by the Grand River Valley Conservation Commission. In 1944 it rendered valuable service both in flood control and in providing cleansing flow during low-water periods. (Photo by R. F. Legget)

Use of power in connection with grain storage is an important Hydro load in the Thunder Bay district. Above, Ogilvie Flour Mill and Grain Storage Elevators at Fort William

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THIRTY-SEVENTH ANNUAL REPORT

OF

The Hydro-Electric Power Commission of Ontario

FOREWORD

and

Guide to the Report

THE Hydro-Electric Power Commission of Ontario administers a co-operative municipal-ownership enterprise, supplying power throughout the Province of Ontario. The Commission was created in 1906 by special act of the Legislature and followed investigations by advisory commissions appointed as a result of public agitation to conserve the water powers of Ontario as a valuable asset of the people and to provide a more satisfactory supply of low-cost power in southern Ontario. In 1907 the Power Commission Act (7-Edward VII Ch. 19) was passed amplifying and extending the Act of 1906, and this Act—modified by numerous amending acts which now form part of the Revised Statutes of Ontario, 1937, Chap. 62, and subsequent amending Acts—constitutes the authority under which the Commission operates.

The Hydro-Electric Power Commission of Ontario consists of a Chairman and two Commissioners, all of whom are appointed by the Lieutenant-Governor-in-Council to hold office during pleasure. One of the Commissioners must be a member of the Executive Council and two may be members.

In 1909, work was commenced on a comprehensive transmission system and by the end of 1910 power was being supplied to several municipalities.

The Commission has now been supplying electrical energy for more than thirty-four years and the Report contains diagrams depicting the growth of the enterprise. During this period the costs of electricity to the consumer have been substantially reduced and the finances of the enterprise have been established on a secure foundation.

At the end of 1944 the Commission was serving 904 municipalities in Ontario. This number included 26 cities, 106 towns, 305 villages and police villages and 467 townships. With the exception of 14 suburban sections of townships known as "voted areas," the townships and 121 of the smaller villages are now served as an amalgamated rural division of Hydro service with a uniform rate structure. Thus, no matter where rural service is given in Ontario by the Hydro, the rural consumer for the same class of service with the same consumption of electricity, pays the same amount on his quarterly bill.

Financial Features of Co-operative Systems

The basic principle governing the financial operations of the undertaking is, that electrical service be given by the Commission to the municipalities and by the municipalities to the ultimate consumers at cost. Cost includes not only all operating and maintenance charges, interest on capital investment and reserve for renewals or depreciation, for obsolescence and contingencies, and for stabilization of rates, but also a reserve for sinking fund or capital payments on debentures.

The undertaking from its inception has been entirely self-supporting and no contributions have been made from general taxes except in connection with service in rural power districts. In this case, the Province, in pursuance of its long established policy of assisting agriculture and with the approval of the urban citizens, assists extension of rural electrical service by a grant-in-aid of the capital cost and in other ways as specified and detailed in the Report.

As the principle of "service at cost" is radically different from that obtaining in private organizations, where profit is the governing feature, it naturally results in different and in some ways unique administrative features.

The undertaking as a whole involves two distinct phases of operations as follows:

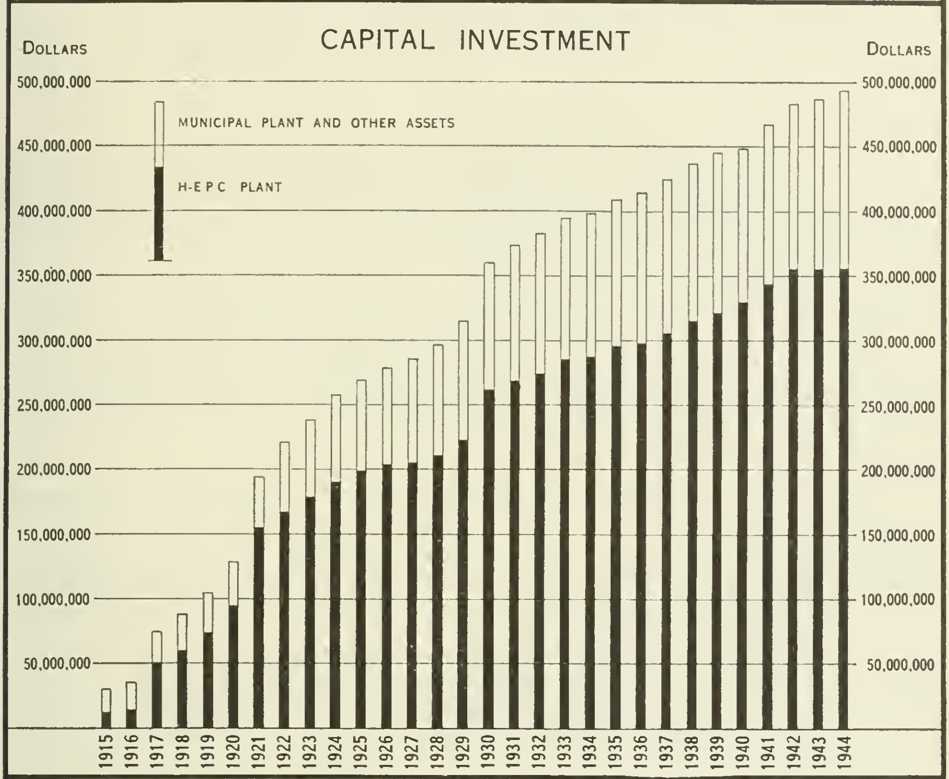
The *First* phase of operations is the provision of the electrical power—either by generation or purchase—and its transformation, transmission and delivery in *wholesale* quantities to individual municipal utilities, to large industrial consumers, and to rural power districts. This phase of the operations is performed by The Hydro-Electric Power Commission of Ontario as trustee for the municipalities acting collectively in groups or "systems", and the financial statements relating to these collective activities of the municipalities are presented in Section IX of the Report. Each system of municipalities, as provided in *The Power Commision Act*, forms an independent financial unit and the accounts are therefore segregated and separately presented for each system. In order, however, that there may be a comprehensive presentation of the co-operative activities of the undertaking as a whole, there are presented, in addition, for the two main systems and miscellaneous co-operative activities, a balance sheet of assets and liabilities, a statement of operations, a tabulation of fixed assets, and summary combined statements respecting the various reserves.

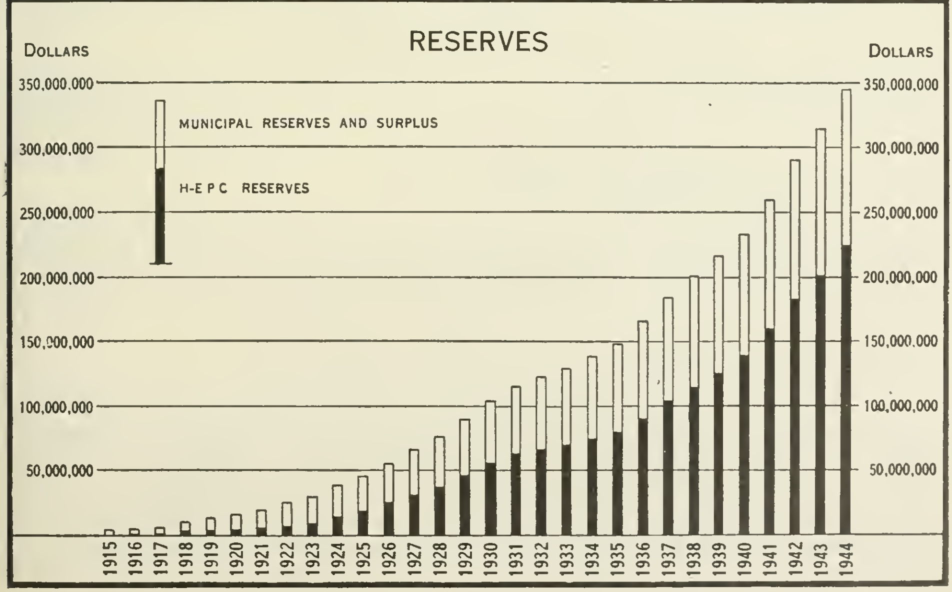
The *Second* phase of operations is the *retail* distribution of electrical energy to consumers, within the limits of the areas served by the various municipal utilities and throughout the rural areas of the Province. In the case of the consolidated rural power districts The Hydro-Electric Power Commission not only provides the power at wholesale, but also—on behalf of the respective individual townships—attends to all physical and financial operations connected with the distribution of energy at retail to the consumers within the rural power districts. Summary financial statements relating to rural service are presented in Section IX of the Report, and a general report on their operation is given in Section IV.

In the case of cities, towns, many villages and certain thickly populated areas of townships, retail distribution of electrical energy provided by the Commission is in general conducted by individual local municipal utility commissions under the general supervision of The Hydro-Electric Power Commission of Ontario. The balance sheets, operating reports and statistical data relating to the individual urban electrical utilities are presented in Section X of the Report.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

THIRTY YEARS RECORD—ALL SYSTEMS


CAPITAL INVESTMENT


RESERVES

For the Northern Ontario Properties held and operated by the Commission in trust for the Province there are also presented in Section IX financial statements including a balance sheet, an operating account, and statements respecting reserves and capital expenditures.

Further details respecting administration and explanations of the financial tables presented in the Report are given in the introductions to sections IX and X on pages 95 and 177.

Co-operative Systems Operating

From time to time in accordance with provisions of *The Power Commission Act* various groups of municipalities have been co-ordinated to form systems for the purpose of obtaining power supplies from convenient sources. In some cases these small systems grew until their transmission lines interlocked with those of adjacent systems and it proved beneficial to consolidate the transmission networks and the financial and administrative features. Early in 1944 the three systems serving southern Ontario, the Niagara, Georgian Bay and Eastern Ontario systems, were amalgamated to form the *Southern Ontario system* and financially the amalgamation was made retroactive to apply to the fiscal year 1942-3. The three former systems are now known as *divisions* of the Southern Ontario system.

The Niagara division embraces municipalities in all the territory between Niagara Falls, Hamilton and Toronto on the east and Windsor, Sarnia and Goderich on the west. It is served with 25-cycle power supplied from plants on the Niagara river, supplemented with power transmitted from generating plants on the Ottawa river and with power purchased from Quebec companies.

The Georgian Bay division comprises municipalities in that part of the Province which surrounds the southern end of Georgian Bay and lies to the north of the territory served by the Niagara division. It includes the districts surrounding lake Simcoe and extends as far north as Huntsville in the Lake of Bays district and south to Port Perry. Its power supplies, 60 cycles, are derived chiefly from local water power developments.

The Eastern Ontario division serves all of Ontario east of the areas comprising the Georgian Bay and the Niagara divisions. It includes the districts of Central Ontario, St. Lawrence, Rideau, Ottawa and Madawaska; formerly separate systems. Its power supplies, 60 cycles, are from local developments supplemented by purchases from other sources.

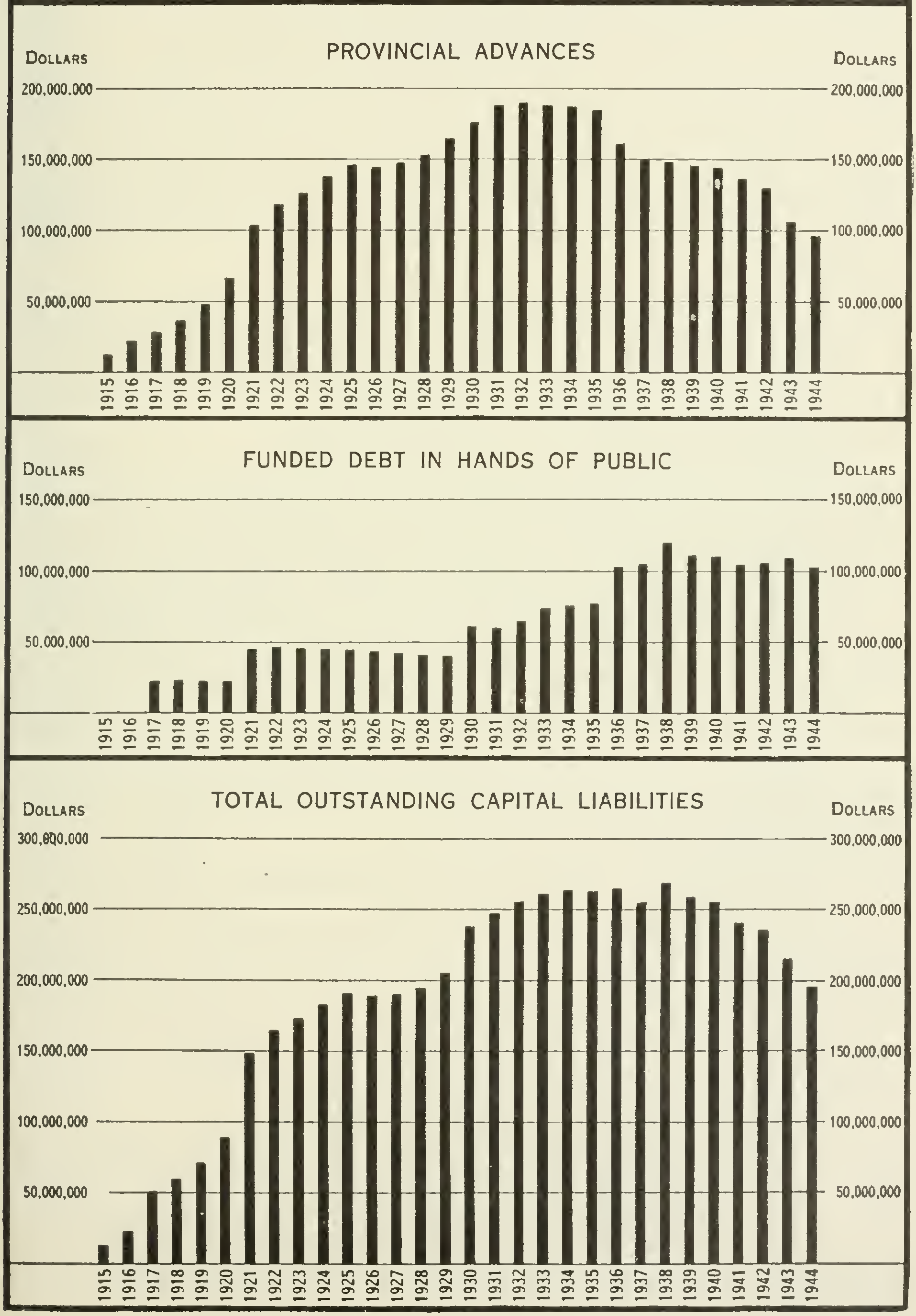
The Thunder Bay System comprises the cities of Port Arthur and Fort William, adjacent rural sections, the village of Nipigon, and the mining district of Longlac. Two developments on the Nipigon river supply 60-cycle power.

Northern Ontario Properties

In addition to its operations on behalf of the partner municipalities, the Commission, under an agreement with the Province, holds and operates the Northern Ontario Properties in trust for the Province. For the purposes of financial administration these properties are treated as one unit. The principal areas in the vast territory of northern Ontario at present receiving service are the *Abitibi District* comprising the territory served by 25-cycle power from the Abitibi Canyon development, together with a small area in

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

PROVINCIAL ADVANCES AND FUNDED DEBT



the southern portion of the district of Sudbury in which mining properties are served with 60-cycle power; the *Sudbury District* comprising the city of Sudbury and the adjoining mining area known as Sudbury Basin; the *Nipissing District* centering around the city of North Bay on the shore of lake Nipissing; the *Patricia District* comprising the territory within transmission distance from the Ear Falls development at the outlet of lac Seul on the English river including the Red Lake mining area, and the territory immediately north of lake St. Joseph in the territorial district of Patricia served with power from a development at Rat Rapids on the Albany river; and the *Rainy River district* which derives its power from the Thunder Bay system. Included in the Northern Ontario Properties are rural districts on Manitoulin island, and others adjacent to the communities served in the various districts of northern Ontario. Power supplies are 60 cycle except from Abitibi canyon development.

The geographic boundaries of the various systems and districts are shown on the maps of transmission lines and stations at the back of the Report.

The power supplies for the systems and Northern Ontario districts are listed in the first table of Section II of the Report on pages 16 and 17.

The Annual Report

The table of contents, pages xxxiii and xxxiv lists the matters dealt with in the Report. At the end of the Report there is a comprehensive index. To those not conversant with the Commission's Reports, the following notes will be useful.

In Section II, pages 15 to 35, dealing with the operations of the systems, are a number of diagrams showing graphically the monthly loads on the several systems and districts. Tables are also presented showing the amounts of power taken by the various municipalities during the past two years.

The rural distribution work of the Commission has proved of widespread interest and special reference to this is made in Section IV on pages 45 to 62.

In Sections VI and VII will be found information respecting progress of work on new power developments and on transmission system extensions, together with photographic illustrations.

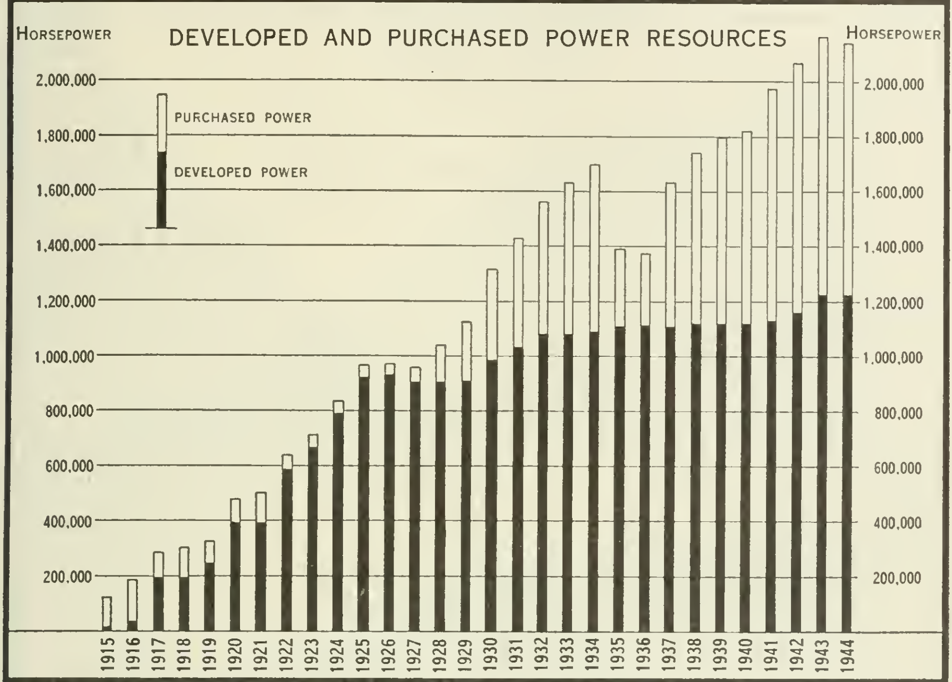
About one-half of the Report is devoted to financial and other statistical data which are presented in two sections IX and X already referred to above.

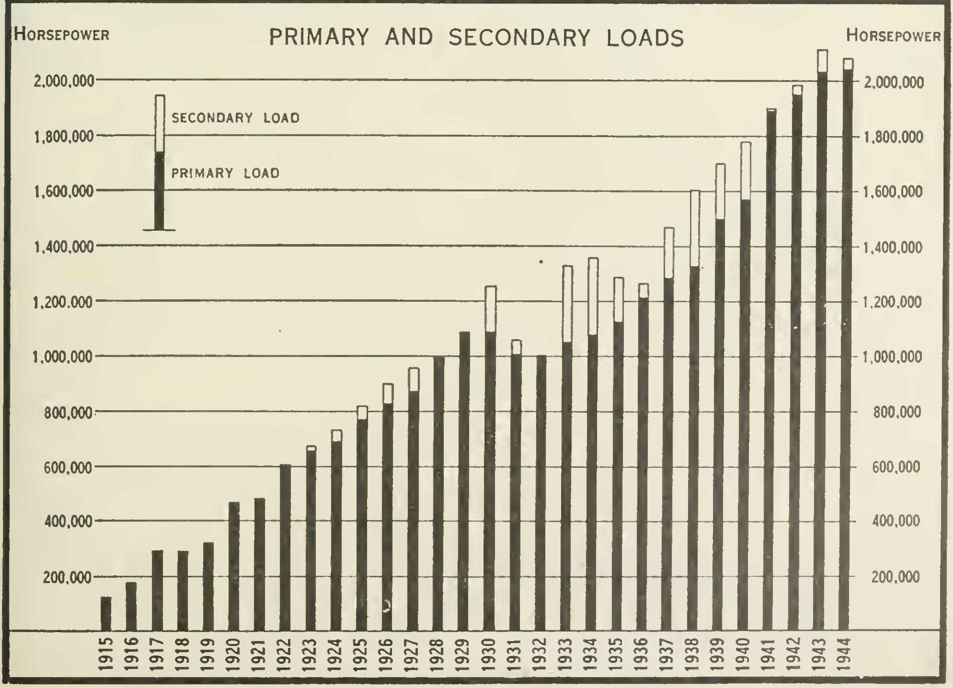
Frequent enquiries for the rates for service to consumers are received by the Commission. For the urban municipalities served by the Commission these are given in Statement "E" starting on page 310. For the rural power districts they are given in Section IV on page 49. Certain statistical data resulting from the application of the rates in urban utilities are given in Statement "D". This statement is prefaced by a special introduction starting on page 290.

In its Annual Reports the Commission aims to present a comprehensive statement respecting the activities of the whole undertaking under its administration. Explanatory statements are suitably placed throughout the Report. The Commission receives many letters asking for general information respecting its activities, as well as requests for specific information concerning certain phases of its operations. In most cases the enquiries can satisfactorily be answered by simply directing attention to information presented in the Annual Report.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

THIRTY YEARS RECORD—SOUTHERN ONTARIO SYSTEM

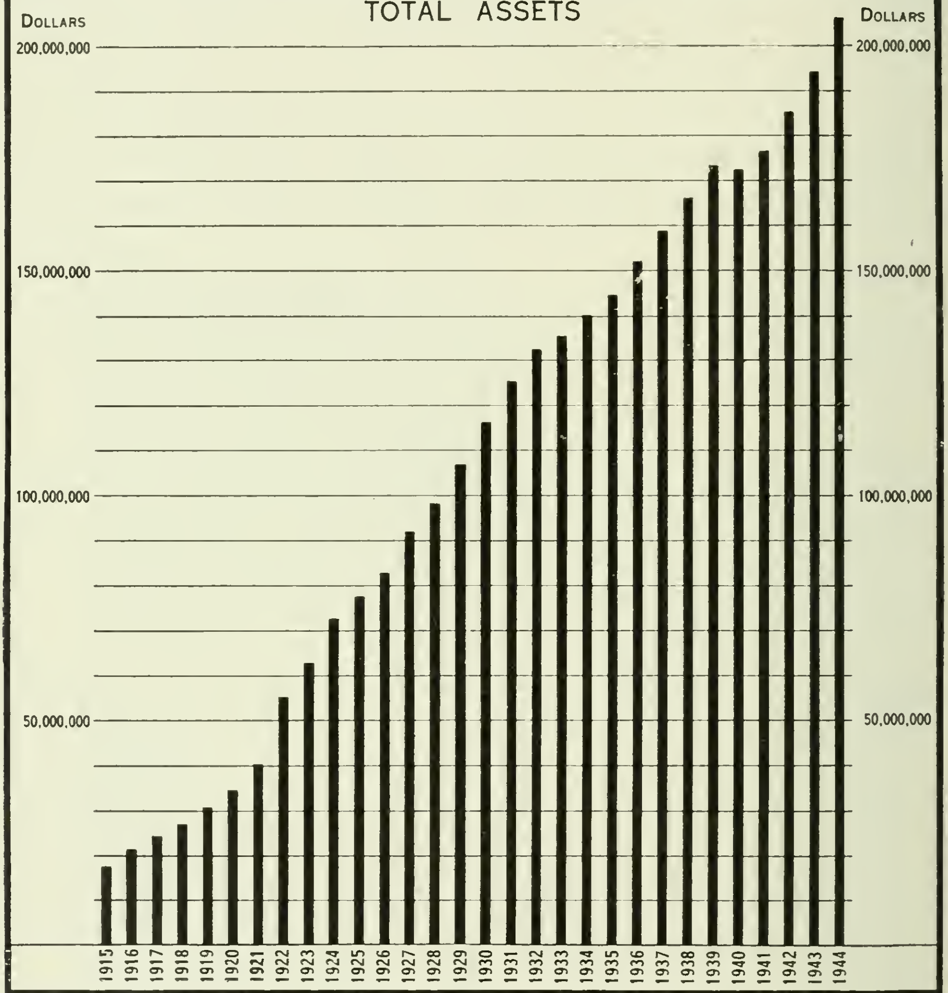

DEVELOPED AND PURCHASED POWER RESOURCES


PRIMARY AND SECONDARY LOADS

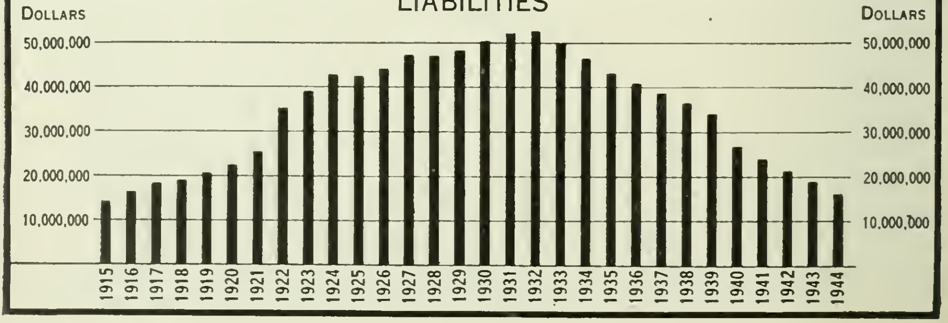
THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

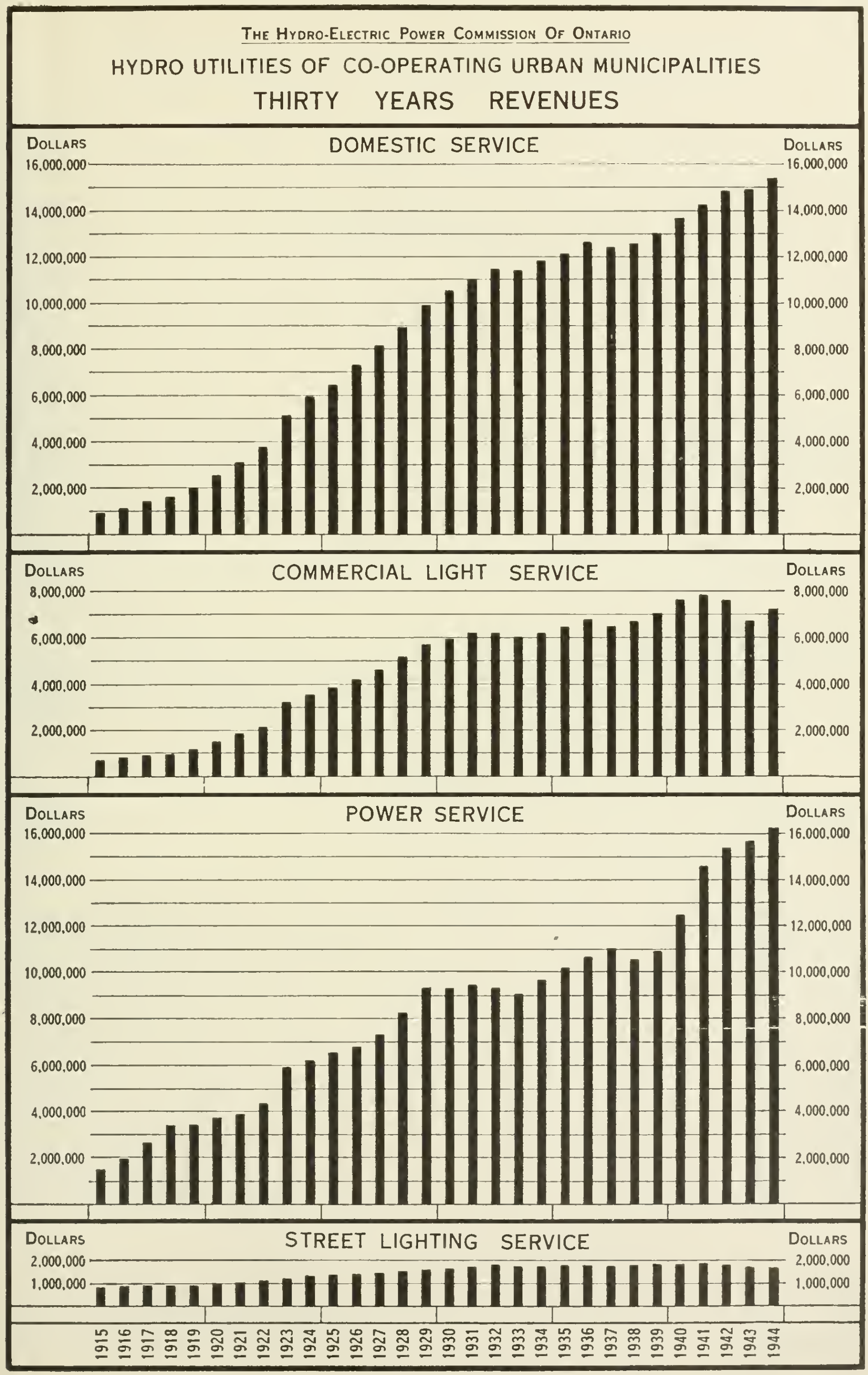
HYDRO UTILITIES OF CO-OPERATING URBAN MUNICIPALITIES
THIRTY YEARS RECORD

TOTAL ASSETS



LIABILITIES




THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
HYDRO UTILITIES OF CO-OPERATING URBAN MUNICIPALITIES
THIRTY YEARS REVENUES
DOMESTIC SERVICE
DOLLARS
16,000,000
14,000,000
12,000,000
10,000,000
8,000,000
6,000,000
4,000,000
2,000,000
COMMERCIAL LIGHT SERVICE
DOLLARS
8,000,000
6,000,000
4,000,000
2,000,000
POWER SERVICE
DOLLARS
16,000,000
14,000,000
12,000,000
10,000,000
8,000,000
6,000,000
4,000,000
2,000,000
STREET LIGHTING SERVICE
DOLLARS
2,000,000
1,000,000
1915
1916
1917
1918
1919
1920
1921
1922
1923
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1927
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1939
1940
1941
1942
1943
1944

SECTION I

LEGAL

AT the 1944 Session of the Legislative Assembly of the Province of Ontario two Acts respecting The Hydro-Electric Power Commission of Ontario were passed. The said Acts are reproduced in full in Appendix I of this Report. The short titles of the Acts are as follows:

The Power Commission Amendment Act 1944, Chapter 46.
The Rural Power District Service Charge Amendment Act 1944, Chapter 55.

The agreements between The Hydro-Electric Power Commission of Ontario and municipalities, persons and corporations mentioned in the list hereunder given were approved by Orders-in-Council.

CO-OPERATIVE SYSTEMS

TOWNS

Almonte	Sept. 26, 1944
Renfrew	Oct. 17, 1944

CORPORATIONS

Alliance Paper Mills Limited	Mar. 30, 1944
Atlas Steels Limited	June 30, 1942
Canadian Industrial Alcohol Company Limited	July 26, 1943
Canadian Industries Limited	Feb. 17, 1944
Central Aircraft Manufacturing Company Limited	Nov. 8, 1944
Chem-Ore Mines Limited	Nov. 17, 1944
His Majesty The King, represented by the Minister of Munitions and Supply, acting through Polymer Corporation Limited	Mar. 20, 1944
His Majesty The King, represented by the Minister of Munitions and Supply	Mar. 20, 1944
His Majesty The King, represented by the Minister of National Defence for Air	Mar. 30, 1944
Howard Smith Paper Mills Limited	Aug. 15, 1944
Lahti, John Larry	Sept. 26, 1944
Lionite Abrasives Limited	July 2, 1943
Maple Leaf Milling Company Limited	Jan. 20, 1944
Robin Hood Flour Mills Limited	July 5, 1944
Union Gas Company of Canada Limited	Dec. 5, 1944

NORTHERN ONTARIO PROPERTIES

Cochenour-Willans Gold Mines Limited	Dec. 21, 1943
Dryden Paper Company Limited	Dec. 17, 1943
Hollinger Consolidated Gold Mines Limited	July 18, 1944
Pickle Crow Gold Mines Limited	Oct. 27, 1944

RIGHT-OF-WAY AND PROPERTY

Urgent war demands for more industrial power, and some extensions to rural service made possible by partial removal of wartime restrictions, required additional distribution facilities for which lands were purchased and easement rights secured.

SOUTHERN ONTARIO SYSTEM

Renewal of easement and tree trimming rights, expiring in the years 1939 to 1944, was continued and easement and tree trimming rights were secured for extensions to rural lines.

To provide better and more centralized office space for increased business, particularly in rural districts, the Commission has purchased a number of buildings and as far as possible is bringing them up to a suitable standard. Where purchase was not feasible, leases of some rural offices were arranged. In some cases provision was made for use of storage and garage facilities.

In order that these purchased or leased buildings may clearly be recogized as Hydro offices the Commission has adopted a standard lettering incorporating the full name of the Commission—"The Hydro-Electric Power Commission of Ontario," the Commission's coat of arms, and the appropriate office concerned—Rural Office, Operating Department, Electrical Inspection Office.

Niagara Division

In connection with the 25-cycle development at DeCew Falls, further progress was made in the acquisition of properties. Agreements for rights for disposal of excavated material were also negotiated.

After a dispute of some forty year's standing agreement respecting the boundary between properties of the Department of Transport and properties acquired by the Commission in the purchase of the original DeCew Falls plant was finally reached. Monuments were erected to define the limits agreed upon.

Many damage claims were settled in connection with the removal of towers and conductors of the original line constructed in 1909 from Allanburg to Dundas.

In connection with right-of-way from DeCew Falls generating station to St. John's Valley junction and between York transformer station and Cooksville transformer station further strips or parcels of land were purchased. For the tower line from St. Thomas to Windsor the purchase of right-of-way was completed.

In London a site formerly owned by the London Electric Company was sold.

NEW PUBLIC SCHOOL—MADAWASKA

Erected by Commission to replace school on area flooded by Bark lake dam and reservoir

Additional agreements relating to the patrol road paralleling the Gatineau tower lines from Fitzroy township to the village of Madoc were secured.

Possible tie line routes between York station and the 220-kv Beauharnois tie line were investigated.

Certain fencing was erected or repaired on the twin wood-pole line from Lievre junction to Cyrville junction.

Further settlements respecting easements for the twin wood-pole 110-kv line from Chats Falls switching station to Merivale Road junction were made.

Georgian Bay Division

The long standing claim for damage due to alteration of water level in 1927 at Hollow lake was settled.

The purchase of the site occupied by the dam at Baysville, which controls the level of Lake of Bays, was completed.

Eastern Ontario Division

The former Canadian National Railways' right-of-way from Colborne to Port Hope was acquired. Portions of this right-of-way outside the urban centres were for the most part sold to abutting owners subject to perpetual rights for transmission lines.

Easement and tree clearing rights were secured for a 110-kv line westerly from Haleys switching station to Chalk River. Lengthy negotiations with the Government authorities concerned were required to secure perpetual rights to cross the Petawawa Military Reserve.

Some claims for damage resulting from the raising of water in Kaminiskeg lake were settled.

The prolonged work of relocation of buildings at Madawaska and settlement of damage claims there, were completed.

THUNDER BAY SYSTEM

The distributing station site at Geraldton was enlarged by the purchase of an adjacent lot.

Further easement and tree clearing rights on two transmission lines between Cameron Falls and Port Arthur were procured.

Rights were secured for one mile of transmission line to Tombill Gold Mines Limited.

NORTHERN ONTARIO PROPERTIES

To facilitate the extension and administration of rural service, office buildings were secured and improved at Sudbury, Matheson and Matachewan. At Matheson a four-stall garage was constructed.

Surveys

Surveys were made for all properties acquired and sold during the year and for easement and other rights, both new and in renewal; 82 standard monuments were placed.

General

Assessments and tax bills from 315 municipalities and school sections were certified and where necessary, appeals were entered against assessments not in accordance with The Power Commission Act.

Letters were written to 239 taxing authorities in the Province drawing attention to the fact that under The Assessment Act they are entitled to assess and tax residences occupied by employees, and for business, lands upon which business is being conducted. This was done to bring all properties under the provisions of The Power Commission and Assessment Acts.

During the year 113.43 acres of land were acquired and 167.43 acres of surplus land were sold. These purchases and sales involved 153 transactions.

Systematic efforts were continued to lease all available lands for agricultural or other purposes and all associated buildings have been well maintained. Revenue from leased properties increased substantially.

217 new plans were made for the Title Record Books with the necessary corrections and indexing to bring the records up to date and also endorsations on the Title Record Plans to show the progress of all new rights obtained during the year.

In all, 1,051 documents were recorded during the year.

SECTION II

OPERATION OF THE SYSTEMS

ALL generating equipment was used to the greatest extent possible and maximum use was made of all purchased power sources. No major failures occurred and service in all areas was maintained at a high level. At the Toronto Power plant the units which failed in 1943 and reduced the output of that plant by some 70,000 horsepower were repaired, the last of the damaged units being returned to service on December 4, 1944. No trouble from ice runs was experienced during the winter of 1943-4. On May 12, 1944, an additional diversion of 4,000 cubic feet per second was made available for power purposes on the Niagara river.

Transformer and transmission equipment gave good service. Although electrical storms were rather numerous during the summer, comparatively little damage to equipment was suffered, except on two occasions when fires directly due to lightning caused considerable damage to switching equipment in the transformer station at the Ontario Power plant.

Amalgamation of Systems

Early in the year, the Niagara, Georgian Bay and Eastern Ontario systems were amalgamated to form the Southern Ontario system. The amalgamation was made retroactive to November 1, 1942, and consequently alters certain load statistics formerly published. As a result of the amalgamation, the maximum coincident peak of the Niagara, Georgian Bay and Eastern Ontario divisions has become the maximum peak of the Southern Ontario system. The coincident peak for Southern Ontario is less than the sum of the individual divisions' peaks because of the difference in time at which maximum demands occur. These facts have to be noted in making comparisons with load figures of the previous year.

Load Conditions, November 1, 1943, to October 31, 1944—All Systems

War production reached its peak output in the spring of 1944. In the following summer, declining trends in primary power demands became apparent and on October 1, 1944, the Dominion Power Controller rescinded Orders PC-B PC-C and PC-5 which had restricted the use of power for certain specified purposes since September 1942. Contrary to expectations, the lifting of these restrictions did not result in any immediate increase in

TOTAL POWER GENERATED

HYDRO-ELECTRIC GENERATING PLANTS

Generating plants	Maximum normal plant capacity Oct. 31, 1944 horsepower	Peak load during fiscal year		Total output during fiscal year	
		1942–43 horse-power	1943-44 horse-power	1942–43 kilowatt-hours	1943–44 kilowatt-hours.
SOUTHERN ONTARIO SYSTEM					
Niagara division					
Queenston-Chippawa—Niagara river	500,000	498,660	506,702	2,808,579,000	2,832,963,000
"Ontario Power"—Niagara river	180,000	183,646	182,306	1,098,960,200	1,082,090,300
"Toronto Power"—Niagara river	150,000	144,504	139,142	691,185,200	723,260,300
Chats Falls (Ontario half)—Ottawa river	108,000	114,611	115,952	337,407,830	345,895,600
DeCew Falls (25 cycle)—Welland canal	67,000	70,375	69,973	21,199,000	411,368,000
DeCew Falls (66⅔ cycle)—Welland canal	50,000	51,609	51,609	179,182,000	197,867,000
Georgian Bay division					
Big Eddy—Muskoka river	9,500	10,556	10,556	42,159,990	31,718,080
Ragged Rapids—Muskoka river	10,000	11,260	11,059	47,053,030	34,692,730
Bala No. 1 and No. 2—Muskoka river	600	556	536	1,534,400	1,705,200
South Falls—South Muskoka river	5,600	6,032	5,630	30,109,650	29,098,725
Hanna Chute—South Muskoka river	1,600	1,877	1,743	9,983,700	7,786,700
Trethewey Falls—South Muskoka river	2,300	2,279	2,279	11,738,400	10,008,000
Big Chute—Severn river	5,800	5,952	5,871	29,600,800	26,130,000
Wasdells Falls—Severn river	1,200	1,086	1,106	2,618,830	3,579,504
Eugenia Falls—Beaver river	7,500	7,614	7,507	27,913,000	13,139,200
Hanover—Saugeen river	400	389	422	466,464	859,248
Walkerton—Saugeen river	500	483	489	2,535,900	2,098,600
Eastern Ontario division					
Sidney—Dam No. 2—Trent river	4,500	5,643	5,161	24,553,500	19,683,300
Frankford—Dam No. 5—Trent river	3,500	3,881	4,182	18,516,200	16,455,250
Sills Island—Dam No. 6—Trent river	2,100	2,272	2,252	10,872,720	11,720,040
Meyersburg—Dam No. 8—Trent river	7,000	7,842	7,755	41,404,240	36,700,700
Hague's Reach—Dam No. 9—Trent river	4,500	5,027	5,060	24,995,240	22,646,200
Ranney Falls—Dam No. 10—Trent river	11,500	11,944	12,024	61,753,600	53,527,320
Seymour—Dam No. 11—Trent river	4,200	4,357	4,491	21,184,800	19,678,560
Heely Falls—Dam No. 14—Trent river	15,300	15,985	16,186	78,146,420	67,665,820
Auburn—Dam No. 18—Trent river	2,400	2,661	2,547	12,620,280	10,825,230
Douro—Lock No. 24—Otonabee river	0	737	0	481,800	0
Lakefield—Otonabee river	2,300	2,614	2,473	10,291,050	10,259,230
Young's Point—Otonabee river	0	603	536	2,211,050	397,600
Fenelon Falls-Dam No. 30-Sturgeon river	1,000	898	938	3,737,850	4,115,250
Galetta—Mississippi river	1,100	1,186	1,227	4,639,200	2,987,400
Carleton Place—Mississippi river	200	469	402	619,295	141,725
High Falls—Mississippi river	3,400	3,619	3,686	14,025,120	11,328,480
Calabogie—Madawaska river	6,000	6,515	6,475	25,525,340	24,231,370
Barrett Chute—Madawaska river	54,000	54,290	53,619	209,077,600	161,483,800
THUNDER BAY SYSTEM					
Cameron Falls—Nipigon river	73,500	74,531	75,737	360,151,300	415,204,800
Alexander—Nipigon river	50,000	52,547	52,279	293,448,800	279,243,800
NORTHERN ONTARIO PROPERTIES					
Abitibi district					
Abitibi Canyon—Abititi river	240,000	236,193	217,158	1,037,505,500	933,214,500
Sudbury district					
Coniston—Wanapitei river	5,900	5,697	5,898	21,339,700	26,157,600
McVittie—Wanapitei river	3,100	3,083	3,083	17,725,290	18,087,800
Stinson—Wanapitei river	7,500	7,480	7,802	20,165,800	24,102,200
Crystal Falls—Sturgeon river	10,000	10,389	10,925	33,918,800	32,369,200
Nipissing district					
Nipissing—South river	2,100	2,232	2,192	8,533,620	6,803,380
Bingham Chute—South river	1,200	1,287	1,300	4,706,400	3,988,520
Elliott Chute—South river	1,700	1,863	1,917	3,356,400	3,400,600
Patricia district					
Rat Rapids—Albany river	1,800	2,051	2,011	8,250,100	6,592,580
Ear Falls—English river	15,000	10,322	11,260	40,813,120	48,460,320
Total generated	1,634,800	*	*	7,756,797,529	8,025,732,762

*Because the peak loads on the various generating plants and purchased power sources usually occur at different times, the sum of the individual peak loads would not represent the sum of the peak loads on the systems. Consequently, the column headed "peak load" is not totalled.

AND PURCHASED—ALL SYSTEMS

POWER PURCHASED

Power source	Contract amount horsepower Oct. 31, 1944	Total purchased	
		1942–43 kilowatt-hours	1943–44 kilowatt-hours
Canadian Niagara Power Co.	20,000	97,575,700	98,094,400
Department of Transport (Welland Ship Canal)	†	17,700,800	2,439,900
Gatineau Power Co.—25 cycle (Main Contract)	260,000	1,139,787,500	1,135,317,600
Gatineau Power Co.—25 cycle (Temporary war purchase)	5,750		
Ottawa Valley Power Co.	108,000	339,684,870	348,364,200
Beauharnois Light, Heat and Power Co.	250,000	1,214,604,500	1,215,950,000
MacLaren-Quebec Power Co.—"Main contract"	125,000	825,965,000	821,145,000
MacLaren-Quebec Power Co.—"War power"	57,500		
Gatineau Power Co.—60 cycle delivery at 110 kv.	60,000	273,962,800	275,634,700
Gatineau Power Co.—60 cycle delivery at 11 kv.	20,000	72,651,600	72,594,000
Gatineau Power Co.—60 cycle delivery at Treadwell	600	1,543,500	1,791,900
M. F. Beach Estate	500	2,520,400	3,000,400
Rideau Power Co.	400	1,887,100	1,891,400
Campbellford Water and Light Commission	800	11,567,300	7,082,900
Manitoulin Pulp Co.	800	1,357,600	1,486,400
Huronian Co.	150	497,400	546,400
Pembroke Electric Light Co. Ltd.	400	385,900	474,140
Gananoque Light, Heat and Power Co.	318	642,210	753,720
Orillia Water, Light, Heat and Power Co.	No Contract	882,950	993,040
Abitibi Power and Paper Co.	"	6,422,848	5,016,768
Kaministiquia Power Co.	"	13,413,760	22,629,760
Fenelon Falls Light, Heat and Power Commission	"	626,400	239,600
Total purchased	910,218	4,023,680,138	4,015,446,228

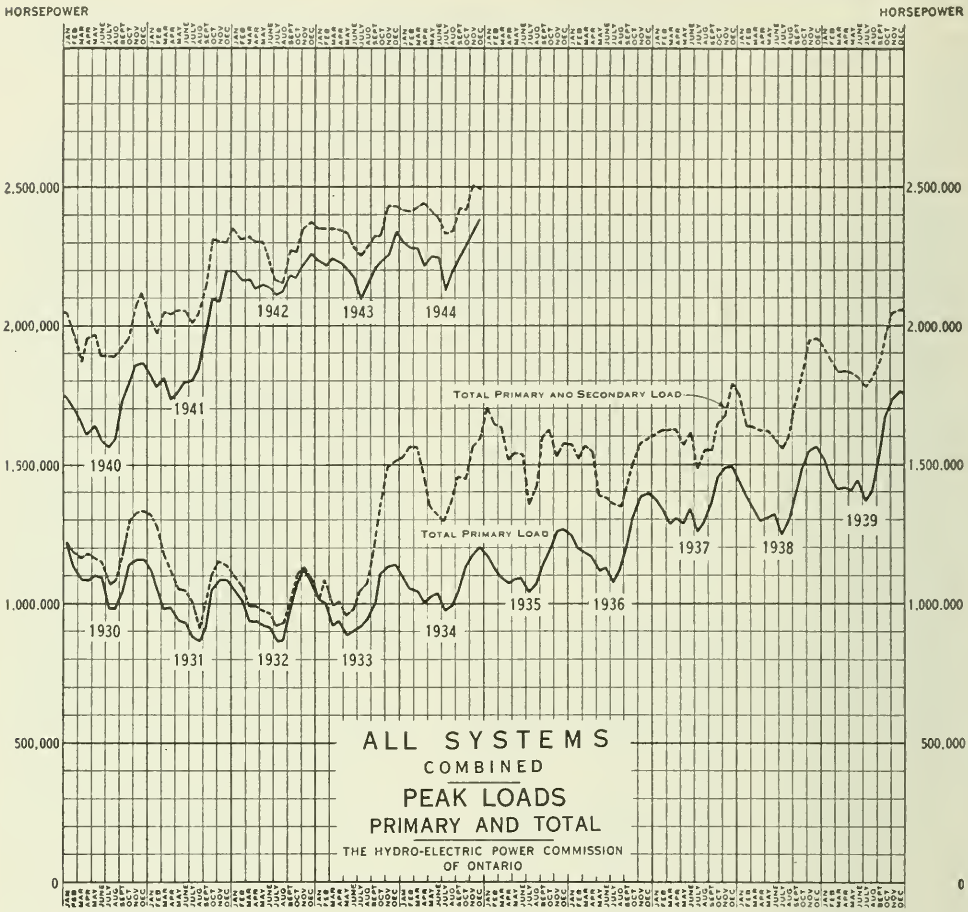
Power purchased, contract amount, 1944	910,218	horsepower
Maximum normal plant capacity, 1944	1,634,800	"
Total available capacity generated and purchased, 1944	2,545,018	"
Total available capacity generated and purchased, 1943	2,543,100	"
Difference (increase)	1,918	"
Total energy purchased, 1944	4,015,446,228	kilowatt-hours
Total energy generated, 1944	8,025,732,762	"
Total energy generated and purchased, 1944	12,041,178,990	"
Total energy generated and purchased, 1943	11,780,477,667	"
Difference (increase)	260,701,323	"

†Power agreement suspended May 14, 1944.

CAUTION: The figures for "Maximum normal plant capacity" reflect the capacity of the various plants under the most favourable operating conditions which can reasonably be considered as normal, taking into consideration turbine capacity as well as generator capacity, and also the net operating head and available water supply.

Owing, among other things, to changes in generating equipment due to wear and tear or the replacement of parts, also to changes in limitations governing water levels and effective net heads, the maximum normal plant capacity is not a fixed quantity but is one which must be revised from time to time.

It is particularly important to bear in mind that the column headed "Maximum normal plant capacity" cannot be taken as an indication of the dependable capacity of the various plants: in some cases it is, but in many cases it is not. Chief among the factors which govern the maximum dependable capacity of an hydraulic power plant and which are not reflected in column headed "Maximum normal plant capacity" are abnormal variations in water supply and operating limitations encountered when plants are so situated on a given stream as to be affected by one another.

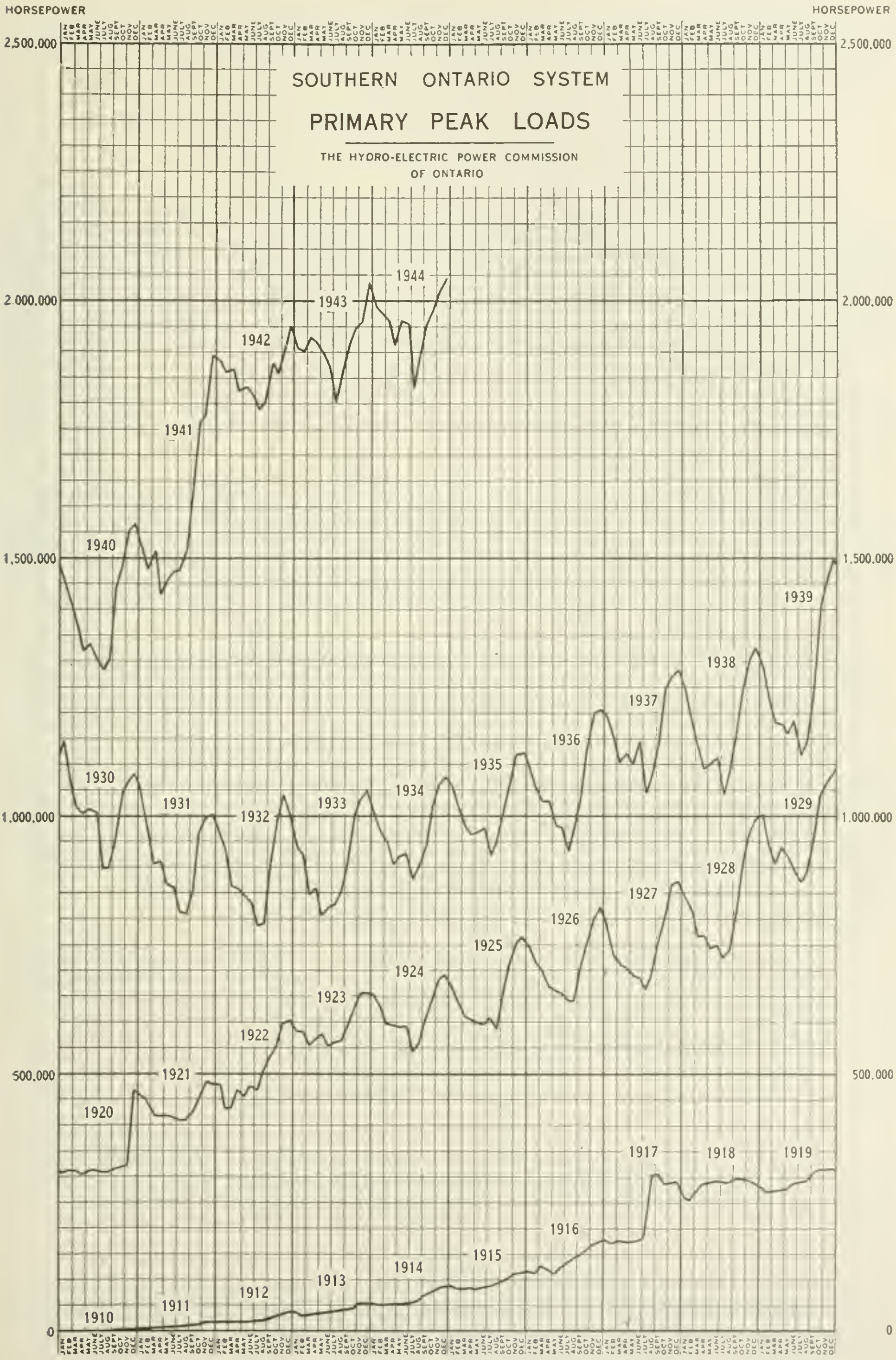


ALL SYSTEMS
COMBINED
PEAK LOADS
PRIMARY AND TOTAL
THE HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO

load. This was due chiefly to extremely mild fall weather which retarded the usual seasonal upswing at this time of the year and counteracted any increase that might otherwise have occurred.

The maximum aggregate peak load supplied by the Commission occurred in April 1944 and was 2,445,291 horsepower. This was 68,600 horsepower above the peak load of the previous year. The year's energy output was 12,041,178,990 kilowatt-hours and exceeded the previous year's output by 2.2 per cent.

Combined primary demands of all systems, as intimated earlier in this section, showed a declining trend during the year as compared with the previous year. In December 1943, the demand for primary power reached a maximum for the year and was 2,348,492 horsepower, 3.6 per cent above the corresponding demand of the previous year. In October the increase was 2.7 per cent. The year's energy output for primary power purposes receded from the previous year's record output of 10,852,987,547 kilowatt-hours to 10,787,348,600 kilowatt-hours, a decrease of 0.6 per cent.



SOUTHERN ONTARIO SYSTEM

PRIMARY PEAK LOADS

THE HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO

Details regarding the peak loads of the Southern Ontario and Thunder Bay systems and of the several districts of the Northern Ontario Properties, are given in the load curves in this section of the Report.

SOUTHERN ONTARIO SYSTEM

The year's maximum peak output on the Southern Ontario system for primary and secondary power, occurred in December 1943 and was 2,114,953 horsepower. This was approximately 120,000 horsepower above the corresponding peak of the previous year. The maximum output for primary power purposes also occurred during the month of December and was 2,033,103 horsepower, exceeding the previous December peak by 4.3 per cent. However, as the year advanced, power demands of a few of the industries engaged in the production of basic war material slackened off, with the result that near the close of the year primary demands were less than 2 per cent above those of a year ago.

The total energy output of the Southern Ontario system for primary and secondary power was 3.1 per cent greater than the output of the previous year. The output of energy classed as primary power and representing about 90 per cent of the total, dropped from 9,227,651,469 kilowatt-hours in the previous year to 9,211,310,482 kilowatt-hours, a decrease of 0.2 per cent.

No additional generation was added to the Southern Ontario system during the year. On May 12, 1944, a temporary additional 4,000 cubic feet of water per second was obtained from the Niagara river to ensure full output of all the Niagara River plants, including the DeCew Falls 25-cycle development. Water storage and stream flow on the rivers supplying the Georgian Bay and Eastern Ontario divisions of the Southern Ontario system were on the whole subnormal throughout the year. During the year, the normal flow of the Ottawa river was slightly below average. Except during the spring run-off, full use was made of the river flow in the operation of the Chats Falls plant. A portion of the excess spring flow was utilized to generate a small amount of surplus energy for export to the United States.

Under a programme of water conservation carried over from the previous year, an appreciable amount of surplus energy, available at different purchased sources, was absorbed by the Commission during the first part of the year. Due to subnormal water storage and river flow later in the year, not all of the Quebec Power companies supplying power to the Commission were able to deliver their full contract energy commitments.

From November 1, 1943, to April 27, 1944, 107,210,000 kilowatt-hours were resold to the Beauharnois Light, Heat and Power Company for use of the Aluminum Company of Canada. Assistance was also given to the Orillia Water, Light and Power Commission throughout the greater portion of the year.

To take care of rising loads, the capacity of many distributing stations was increased during the year. In most instances these were stations serving comparatively small local loads and only involved the replacement of existing transformers by ones of a higher rating.

An outstanding feature in the operation of the Southern Ontario system during the year was the creation of the power supervisors' office at Toronto. The organization of this office was completed early in the summer and since then has been operating on a 24-hour basis. The chief function of the office is to co-ordinate supply and demand in a manner to ensure the most efficient use of the system's resources and at the same time improve reliability of service.

During the year, facilities were installed for precise control of frequency of the Eastern Ontario division similar to facilities which have been in use on the Niagara division since 1934. Synchronous operation of all generators on the Southern Ontario system has thereby been established and all synchronous apparatus, such as clocks, also keep in step throughout the whole area from Ottawa to Windsor and maintain remarkably constant rate.

Parallel operation of the divisions involves regulating the amount of power generated in each division to provide for fluctuating power demands throughout the Southern Ontario system. This was accomplished by the installation of specially designed equipment for regulating the output of Chats Falls, Barrett Chute and plants of the Gatineau Power Company supplying power to the Commission. Control of these widely separated plants is exerted from Chats Falls through carrier communication channels and very satisfactory results have been obtained.

SUMMATION OF PEAK LOADS IN HORSEPOWER AS SUPPLIED TO URBAN MUNICIPAL UTILITIES AND FOR RURAL HYDRO SERVICE, SHOWING TREND OF POWER DEMANDS 1943-1944

System	Total of peak loads in horsepower		Net increase in horsepower	Number of utilities with			Total
	July to Dec. 1943	July to Dec. 1944		Decreases	Increases	No change	
URBAN MUNICIPAL UTILITIES							
Southern Ontario...	1,196,606	1,266,528	69,922	45	259	3	307
Thunder Bay......	42,604	45,306	2,702	0	5	0	5
Northern Ontario Properties.......	16,664	18,293	1,629	5	10	1	16
RURAL HYDRO SERVICE							
Southern Ontario...	108,696	121,399	12,703	7	106	0	113
Thunder Bay......	724	862	138	0	1	1	2
Northern Ontario Properties.......	2,690	3,001	311	0	5	0	5
Total, Rural Service	112,110	125,262	13,152	7	112	1	120

NOTE: The yearly peak demands of the individual municipal Hydro utilities do not all occur during the same month of the year nor, for any given municipality, do they always occur in the same month in successive years; in nearly all cases however the yearly peak occurs during the second half of the calendar year. For this reason a comparison of the peaks occurring during the second half of the year as shown in the tables of this Section shows most satisfactorily the general trend of the local loads. The loads given above for Rural Hydro Service are a summation of the loads in the various operational districts and are similarly obtained.

SOUTHERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES 1943-1944

Municipality	Frequency cycles	Peak load in horsepower		Change in load	
		July to Dec., 1943	July to Dec., 1944	Decrease	Increase
Acton	25	1,660.8	1,730.6	....	69.8
Agincourt	25	225.9	244.8	....	18.9
Ailsa Craig	25	157.8	159.0	....	1.2
Alexandria	60	206.5	311.1	....	104.6
Alliston	60	447.4	474.9	....	27.5
Alvinston	25	117.3	137.4	....	20.1
Amherstburg	25	947.8	1,088.3	....	140.5
Ancaster Twp.—Voted Area	25	439.4	493.8	....	54.4
Apple Hill	60	56.7	55.0	1.7	....
Arkona	25	59.8	72.1	....	12.3
Arnprior	60	1,303.0	1,322.2	....	19.2
Arthur	60	161.3	185.0	....	23.7
Athens	60	138.1	129.3	8.8	....
Aurora	25	1,476.5	1,443.2	33.3	....
Aylmer	25	933.0	987.8	....	54.8
Ayr	25	222.6	299.2	....	76.6
Baden	25	544.0	673.5	....	129.5
Bala	60	347.7	358.0	....	10.3
Barrie	60	4,068.4	4,422.3	....	353.9
Bath	60	60.0	58.0	2.0	....
Beachville	25	729.7	791.7	....	62.0
Beamsville	25	452.4	508.8	....	56.4
Beaverton	60	372.6	340.5	32.1	....
Beeton	60	180.8	157.2	23.6	....
Belle River	25	207.0	210.8	....	3.8
Belleville	60	7,682.1	8,236.6	....	554.5
Blenheim	25	586.0	714.2	....	128.2
Bloomfield	60	156.6	171.8	....	15.2
Blyth	25	149.5	169.2	....	19.7
Bolton	25	244.6	264.6	....	20.0
Bothwell	25	129.7	147.3	....	17.6
Bowmanville	60	2,993.2	3,189.1	....	195.9
Bradford	60	225.7	251.3	....	25.6
Braeside	60	335.8	300.2	35.6	....
Brampton	25	2,706.1	2,995.6	....	289.5
Brantford	25	22,302.2	23,802.9	....	1,500.7
Brantford Twp.—Voted Area	25	1,259.9	1,535.0	....	275.1
Brechin	60	83.8	64.3	19.5	....
Bridgeport	25	157.5	168.6	....	11.1
Brigden	25	93.8	93.8	....	....
Brighton	60	513.0	536.1	....	23.1
Brockville	60	4,939.7	5,277.5	....	337.8
Bronte	66⅔	198.8	193.0	5.8	....
Brussels	25	153.3	166.8	....	13.5
Burford	25	295.2	293.4	1.8	....
Burgessville	25	56.2	57.9	....	1.7
Burlington	66⅔	1,624.2	1,836.5	....	212.3
Burlington Beach	25 & 66⅔	463.2	500.7	....	37.5
Caledonia	25	358.9	432.1	....	73.2
Campbellville	25	42.9	53.7	....	10.8

SOUTHERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES 1943-1944—Continued

Municipality	Frequency cycles	Peak load in horsepower		Change in load	
		July to Dec., 1943	July to Dec., 1944	Decrease	Increase
Cannington	60	241.9	271.1	....	29.2
Cardinal	60	384.4	422.4	....	38.0
Carleton Place	60	1,974.9	2,002.5	....	27.6
Carlsruhe	60	5.0	5.0	....	....
Cayuga	25	132.8	168.2	....	35.4
Chatham	25	7,095.4	7,768.4	....	673.0
Chatsworth	60	98.6	106.6	....	8.0
Chesley	60	605.0	650.4	....	45.4
Chesterville	60	300.7	338.2	....	37.5
Chippawa	25	364.2	390.6	....	26.4
Clifford	25	111.4	118.0	....	6.6
Clinton	25	686.7	810.4	....	123.7
Cobden	60	107.2	135.7	....	28.5
Cobourg	60	2,294.9	2,387.9	....	93.0
Colborne	60	244.2	272.5	....	28.3
Coldwater	60	141.6	224.0	....	82.4
Collingwood	60	2,909.2	3,056.1	....	146.9
Comber	25	170.6	173.3	....	2.7
Cookstown	60	107.4	111.4	....	4.0
Cottam	25	85.5	92.6	....	7.1
Courtright	25	52.1	57.0	....	4.9
Creemore	60	158.3	163.5	....	5.2
Dashwood	25	118.6	139.0	....	20.4
Delaware	25	75.3	79.2	....	3.9
Delhi	25	703.5	728.1	....	24.6
Deseronto	60	236.1	277.2	....	41.1
Dorchester	25	124.0	145.7	....	21.7
Drayton	25	166.8	160.1	6.7	....
Dresden	25	493.4	521.0	....	27.6
Drumbo	25	115.5	126.8	....	11.3
Dublin	25	71.4	62.5	8.9	....
Dundalk	60	260.4	269.1	....	8.7
Dundas	25	3,166.8	3,357.6	....	190.8
Dunnville	25	1,374.2	1,583.7	....	209.5
Durham	60	433.5	580.6	....	147.1
Dutton	25	263.7	279.9	....	16.2
East York Twp.—Voted Area	25	9,502.9	11,001.6	....	1,498.7
Elmira	25	1,304.5	1,467.8	....	163.3
Elmvale	60	182.0	173.0	9.0	....
Elmwood	60	69.4	76.4	....	7.0
Elora	25	485.3	501.5	....	16.2
Embro	25	179.2	176.3	2.9	....
Erieau	25	160.2	262.7	....	102.5
Erie Beach	25	33.0	40.2	....	7.2
Essex	25	641.6	650.7	....	9.1
Etobicoke Twp.—Voted Area	25	8,774.8	9,120.2	....	345.4
Exeter	25	792.1	854.8	....	62.7
Fergus	25	1,313.3	1,414.9	....	101.6
Finch	60	106.8	113.5	....	6.7
Flesherton	60	66.3	85.5	....	19.2

SOUTHERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES 1943-1944—Continued

Municipality	Frequency cycles	Peak load in horsepower		Change in load	
		July to Dec., 1943	July to Dec., 1944	Decrease	Increase
Fonthill	25	208.3	222.5		14.2
Forest	25	596.5	612.2		15.7
Forest Hill	25	7,819.0	8,344.5		525.5
Frankford	60	177.6	180.4		2.8
Galt	25	11,982.1	12,436.2		454.1
Georgetown	25	1,825.9	1,944.8		118.9
Glencoe	25	204.1	222.9		18.8
Goderich	25	1,809.0	1,828.0		19.0
Grand Valley	60	148.5	182.8		34.3
Granton	25	75.5	79.7		4.2
Gravenhurst	60	1,197.1	1,310.9		113.8
Grimsby	25	892.8	1,014.1		121.3
Guelph	25	11,953.4	13,131.7		1,178.3
Hagersville	25	1,215.7	1,198.2	17.5	
Hamilton	25 & 66⅔	160,472.0	169,113.6		8,641.6
Hanover	60	1,493.9	1,444.3	49.6	
Harriston	25	522.5	535.1		12.6
Harrow	25	625.3	722.8		97.5
Hastings	60	121.6	157.3		35.7
Havelock	60	153.9	200.0		46.1
Hensall	25	236.1	224.3	11.8	
Hepworth	60	24.8	25.7		0.9
Hespeler	25	2,810.3	3,050.2		239.9
Highgate	25	113.3	100.0	13.3	
Holstein	60	21.7	29.0		7.3
Humberstone	25	612.4	691.0		78.6
Huntsville	60	1,223.4	1,311.1		87.7
Ingersoll	25	3,369.6	3,634.6		265.0
Iroquois	60	244.8	278.1		33.3
Jarvis	25	192.8	196.8		4.0
Kemptville	60	384.3	380.8	3.5	
Kincardine	60	800.4	866.9		66.5
Kingston	60	14,529.9	16,525.7		1,995.8
Kingsville	25	691.4	729.7		38.3
Kirkfield	60	26.0	27.0		1.0
Kitchener	25	27,462.5	30,141.4		2,678.9
Lakefield	60	469.5	519.7		50.2
Lambeth	25	138.2	169.6		31.4
Lanark	60	85.1	101.6		16.5
Lancaster	60	50.0	66.8		16.8
LaSalle	25	274.2	300.8		26.6
Leamington	25	2,027.5	2,386.4		358.9
Lindsay	60	3,889.4	3,983.8		94.4
Listowel	25	1,518.5	1,656.8		138.3
London	25	40,957.4	44,916.1		3,958.7
London Twp.—Voted Area	25	633.5	672.9		39.4
Long Branch	25	1,374.9	1,656.8		281.9
Lucan	25	206.8	215.7		8.9
Lucknow	60	446.2	452.7		6.5
Lynden	25	122.5	121.2	1.3	

SOUTHERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES 1943-1944—Continued

Municipality	Frequency cycles	Peak load in horsepower		Change in load	
		July to Dec., 1943	July to Dec., 1944	Decrease	Increase
MacTier	60	153.2	136.9	16.3	
Madoc	60	222.5	236.0		13.5
Markdale	60	201.5	207.5		6.0
Markham	25	423.2	397.7	25.5	
Marmora	60	142.4	158.8		16.4
Martintown	60	43.6	46.0		2.4
Maxville	60	114.6	120.2		5.6
Meaford	60	764.9	790.0		25.1
Merlin	25	94.1	135.9		41.8
Merritton	25	12,509.5	12,465.5	44.0	
Midland	60	4,869.6	5,007.1		137.5
Mildmay	60	161.0	163.3		2.3
Millbrook	60	94.1	126.3		32.2
Milton	25	1,559.2	1,613.5		54.3
Milverton	25	392.4	507.5		115.1
Mimico	25	2,954.0	3,209.1		255.1
Mitchell	25	749.5	787.8		38.3
Moorefield	25	45.7	56.4		10.7
Morrisburg	60	305.0	336.1		31.1
Mount Brydges	25	98.9	103.5		4.6
Mount Forest	60	594.2	584.3	9.9	
Napanee	60	1,431.6	1,566.3		134.7
Neustadt	60	46.1	48.8		2.7
Newburgh	60	48.4	57.9		9.5
Newbury	25	33.6	39.1		5.5
Newcastle	60	185.7	176.0	9.7	
New Hamburg	25	619.8	726.0		106.2
Newmarket	25	1,857.6	2,080.0		222.4
New Toronto	25	12,320.4	12,556.8		236.4
Niagara Falls	25	10,631.4	11,003.1		371.7
Niagara-on-the-Lake	25	1,095.3	1,179.6		84.3
North York Twp.—Voted Area	25	11,630.0	12,271.7		641.7
Norwich	25	439.0	498.0		59.0
Norwood	60	151.5	186.9		35.4
Oakville	25 & 66⅔	1,301.6	1,680.9		379.3
Oil Springs	25	185.6	196.2		10.6
Omemee	60	191.5	222.9		31.4
Orangeville	60	764.5	766.2		1.7
Orono	60	95.6	103.6		8.0
Oshawa	60	18,385.4	18,368.6	16.8	
Ottawa	60	38,822.2	39,929.3		1,107.1
Otterville	25	132.7	139.0		6.3
Owen Sound	60	6,153.5	6,579.8		426.3
Paisley	60	121.0	133.9		12.9
Palmerston	25	606.3	647.8		41.5
Paris	25	2,118.2	2,060.6	57.6	
Parkhill	25	214.5	241.9		27.4
Penetanguishene	60	1,028.0	1,126.7		98.7
Perth	60	1,845.8	1,922.0		76.2
Peterborough	60	12,831.4	14,573.2		1,741.8

SOUTHERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES 1943-1944—Continued

Municipality	Frequency cycles	Peak load in horsepower		Change in load	
		July to Dec., 1943	July to Dec., 1944	Decrease	Increase
Petrolia	25	1,095.4	1,063.5	31.9	....
Picton	60	1,235.2	1,427.6	....	192.4
Plattsville	25	141.4	154.0	....	12.6
Point Edward	25	1,776.3	1,845.6	....	69.3
Port Carling	60	333.3	332.4	0.9	....
Port Colborne	25	2,591.0	1,925.4	665.6	....
Port Credit	25	994.1	1,118.0	....	123.9
Port Dalhousie	25	1,200.3	1,203.2	....	2.9
Port Dover	25	533.9	638.6	....	104.7
Port Elgin	60	683.3	667.4	15.9	....
Port Hope	60	2,531.7	2,910.7	....	379.0
Port McNicoll	60	104.1	115.5	....	11.4
Port Perry	60	369.6	364.7	4.9	....
Port Rowan	25	114.0	127.7	....	13.7
Port Stanley	25	1,171.6	1,267.6	....	96.0
Prescott	60	1,449.7	1,585.8	....	136.1
Preston	25	4,265.4	4,514.7	....	249.3
Priceville	60	10.0	10.0	....	....
Princeton	25	144.5	156.2	....	11.7
Queenston	25	142.3	169.4	....	27.1
Richmond	60	69.8	75.5	....	5.7
Richmond Hill	25	509.0	588.6	....	79.6
Ridgetown	25	638.5	711.8	....	73.3
Ripley	60	121.2	111.3	9.9	....
Riverside	25	1,258.1	1,417.1	....	159.0
Rockwood	25	134.4	159.1	....	24.7
Rodney	25	153.6	165.5	....	11.9
Rosseau	60	49.6	40.4	9.2	....
Russell	60	71.6	93.3	....	21.7
St. Catharines	25 & 66⅔	32,391.1	31,514.4	876.7	....
St. Clair Beach	25	104.1	126.2	....	22.1
St. George	25	156.3	218.5	....	62.2
St. Jacobs	25	364.6	369.3	....	4.7
St. Marys	25	1,624.5	1,791.2	....	166.7
St. Thomas	25	7,967.8	8,761.4	....	793.6
Sarnia	25	11,362.2	12,334.4	....	972.2
Scarborough Twp.	25	5,036.2	5,632.9	....	596.7
Seaforth	25	783.4	1,060.6	....	277.2
Shelburne	60	295.3	277.0	18.3	....
Simcoe	25	2,713.1	3,106.3	....	393.2
Smiths Falls	60	2,913.1	3,191.2	....	278.1
Smithville	25	196.0	221.1	....	25.1
Southampton	60	713.7	784.0	....	70.3
Springfield	25	75.7	79.7	....	4.0
Stamford Twp.—Voted Area	25	3,139.1	3,347.4	....	208.3
Stayner	60	319.5	314.7	4.8	....
Stirling	60	333.4	365.4	....	32.0
Stoney Creek	25	263.4	273.7	....	10.3
Stouffville	25	351.3	401.5	....	50.2
Stratford	25	7,705.5	8,216.8	....	511.3

SOUTHERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES 1943-1944—Continued

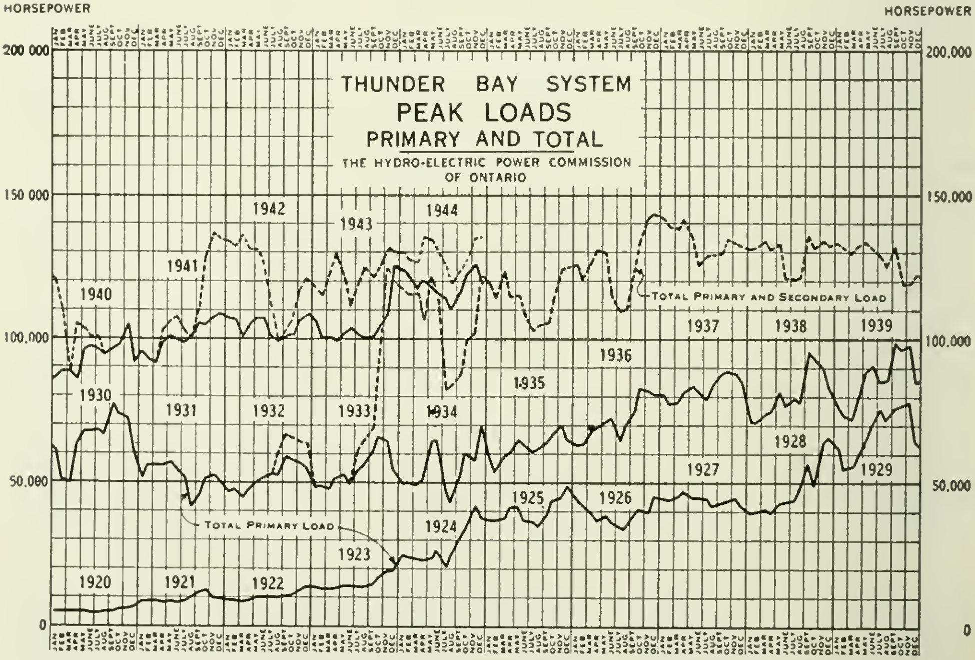
Municipality	Frequency cycles	Peak load in horsepower		Change in load	
		July to Dec., 1943	July to Dec., 1944	Decrease	Increase
Strathroy	25	1,597.4	1,694.8	....	97.4
Streetsville	25	246.2	268.5	....	22.3
Sunderland	60	81.8	93.8	....	12.0
Sutton	25	474.1	560.0	....	85.9
Swansea	25	3,319.0	3,433.0	....	114.0
Tara	60	128.5	144.3	....	15.8
Tavistock	25	715.4	750.3	....	34.9
Tecumseh	25	571.0	537.5	33.5	....
Teeswater	60	150.3	175.9	....	25.6
Thamesford	25	241.1	248.9	....	7.8
Thamesville	25	223.9	251.7	....	27.8
Thedford	25	136.7	184.0	....	47.3
Thorndale	25	103.2	101.6	1.6	....
Thornton	60	39.2	41.1	....	1.9
Thorold	25	2,867.2	3,429.0	....	561.8
Tilbury	25	1,574.1	1,626.0	....	51.9
Tillsonburg	25	1,407.0	1,640.0	....	233.0
Toronto	25	377,179.6	393,919.6	....	16,740.0
Toronto Twp.—Voted Area	25	3,466.3	3,764.8	....	298.5
Tottenham	60	91.6	119.9	....	28.3
Trafalgar Twp. V.A. No. 1	25 & 66⅔	429.5	484.9	....	55.4
Trafalgar Twp. V.A. No. 2	25 & 66⅔	189.4	186.2	3.2	....
Trenton	60	5,206.9	5,652.7	....	445.8
Tweed	60	271.3	308.0	....	36.7
Uxbridge	60	390.5	370.8	19.7	....
Victoria Harbour	60	117.3	112.2	5.1	....
Walkerton	60	996.6	1,144.6	....	148.0
Wallaceburg	25	4,217.7	4,694.3	....	476.6
Wardsville	25	40.3	43.0	....	2.7
Warkworth	60	72.5	88.7	....	16.2
Waterdown	25	272.8	285.6	....	12.8
Waterford	25	453.9	506.7	....	52.8
Waterloo	25	5,701.1	6,698.4	....	997.3
Watford	25	415.9	425.9	....	10.0
Waubaushene	60	167.1	195.3	....	28.2
Welland	25	11,217.2	13,226.5	....	2,009.3
Wellesley	25	151.9	148.2	3.7	....
Wellington	60	334.5	464.1	....	129.6
West Lorne	25	240.0	262.6	....	22.6
Weston	25	4,892.3	5,539.5	....	647.2
Westport	60	99.7	123.9	....	24.2
Wheatley	25	200.5	226.8	....	26.3
Whitby	60	1,448.8	1,614.3	....	165.5
Wiarton	60	283.7	376.4	....	92.7
Williamsburg	60	103.5	98.7	4.8	....
Winchester	60	391.8	430.0	....	38.2
Windermere	60	79.9	110.3	....	30.4
Windsor	25	55,342.1	56,445.0	....	1,102.9
Wingham	60	705.4	866.6	....	161.2
Woodbridge	25	653.1	676.1	....	23.0

SOUTHERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES 1943-1944—Continued

Municipality	Frequency cycles	Peak load in horsepower		Change in load	
		July to Dec., 1943	July to Dec., 1944	Decrease	Increase
Woodstock	25	8,632.4	9,829.4	....	1,197.0
Woodville	60	76.1	83.2	....	7.1
Wyoming	25	77.9	92.3	....	14.4
York Township	25	22,296.2	23,257.4	....	961.2
Zurich	25	161.1	153.2	7.9	....

SOUTHERN ONTARIO SYSTEM—LOADS OF NEW MUNICIPALITIES

Municipality	Frequency cycles	Date connected	Peak load in horsepower		Change in load	
			Initial	July to Dec., 1944	Decrease	Increase
Renfrew	60	Dec. 1, 1944	238.6	238.6	....	....
Thornbury	60	Aug. 24, 1944	55.8	65.3	....	9.5



THUNDER BAY SYSTEM

The maximum primary peak demand of the Thunder Bay system occurred in December 1943 and was 125,737 horsepower. Compared with the corresponding peak load of the previous year, it shows an increase of 15.8 per cent. Energy output for primary power purposes was 9.2 per cent greater than in the previous year. These large increases resulted chiefly from the initial delivery in December 1943, of about 20,000 horsepower to the Rainy River district of Northern Ontario Properties.

Arrangements were continued in 1944 enabling the paper companies under the control of the Abitibi Power and Paper Company to transfer power for electric steam boiler operation from the generating station of the Kaministiquia Power Company, subsidiary of the Abitibi Power and Paper Company, through the Commission's transformers and over the Commission's transmission circuits. During the year 22,629,760 kilowatt-hours were thus transferred to the paper companies which, with the surplus energy available at the Cameron Falls and Alexander generating stations, produced a total of 110,297,400 kilowatt-hours for electric boiler operation.

THUNDER BAY SYSTEM—LOADS OF MUNICIPALITIES—1943-1944

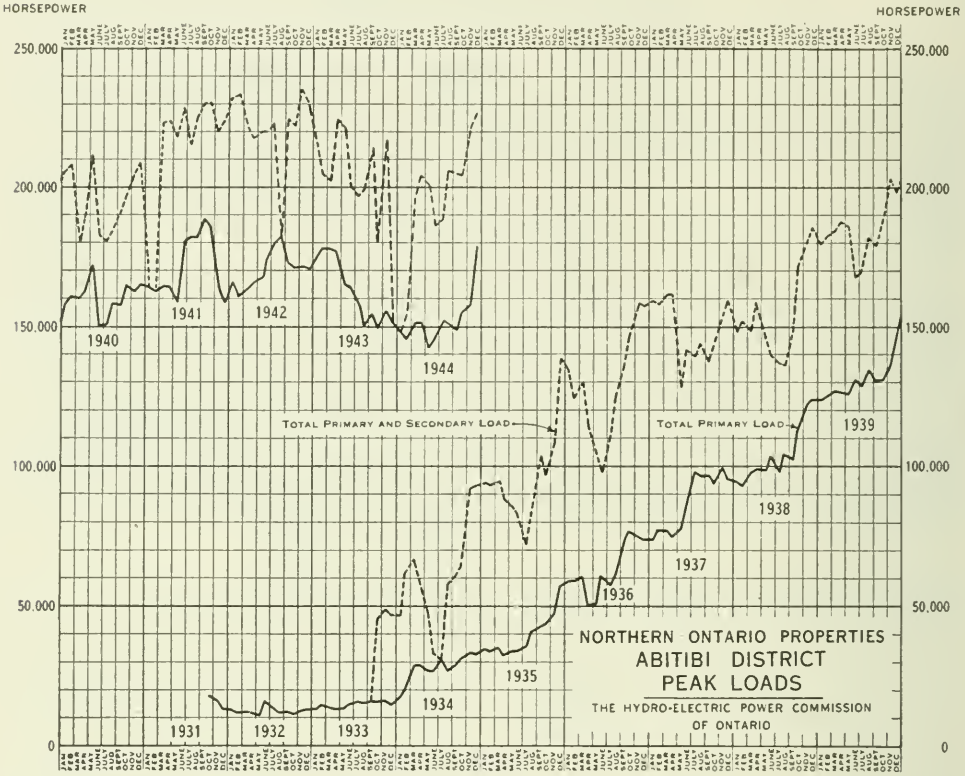
Municipality	Frequency cycles	Peak load in horsepower		Change in load	
		July to Dec., 1943	July to Dec., 1944	Decrease	Increase
Beardmore Townsite	60	84.6	92.6	....	8.0
Fort William	60	18,071.0	18,876.2	....	805.2
Geraldton Townsite	60	540.3	582.2	....	41.9
Nipigon Twp.—Voted Area	60	251.9	273.1	....	21.2
Port Arthur	60	23,656.1	25,482.1	....	1,826.0

NORTHERN ONTARIO PROPERTIES

In areas served by the Northern Ontario Properties, the average output for primary power purposes receded by about 10 per cent. This was due chiefly to curtailment in gold mining activities.

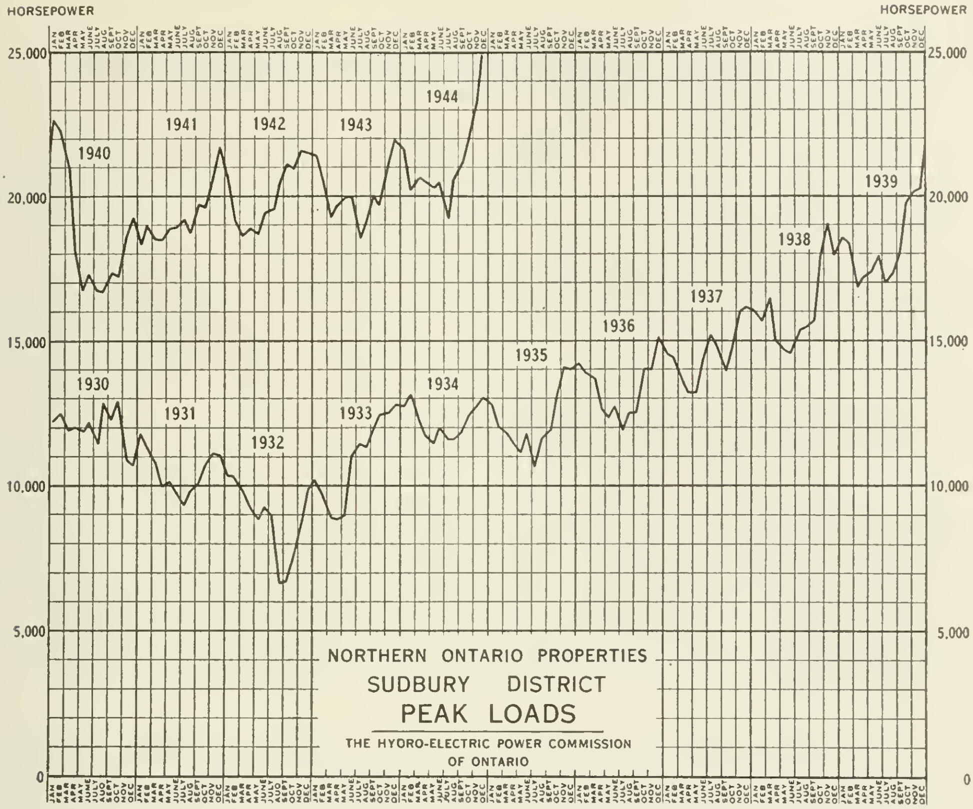
Abitibi District

Compared with the previous year, the demand for primary power in the Abitibi district was considerably smaller. The primary peak load dropped from 177,882 horsepower to 155,496 horsepower, a decrease of 12.6 per cent, and the total energy demands for primary power during the year declined 11 per cent.



Water storage at the beginning of the year was decidedly subnormal and in order to safeguard a continuous river flow sufficient to generate the primary load demands of the district, a programme of strict conservation of storage was followed up to near the spring run-off period, which commenced about the middle of April. For the balance of the year, except during a period of subnormal precipitation in July and August, river flow was generally good. However, the water situation for the year as a whole was below normal. Total production at the Canyon plant during the year was 933,000,000 kilowatt-hours, as compared with 1,038,000,000 kilowatt-hours during the previous year. The year's total output includes 133,000,000 kilowatt-hours of surplus energy generated for delivery to the electric boilers at the paper mills of the Abitibi Power and Paper Company.

During the latter part of May and early June, there were forest fires of serious proportions burning in several areas of the Abitibi district. At times these fires became a major menace to the Commission's transmission lines but fortunately comparatively little damage was done to the lines before the fires were finally brought under control.



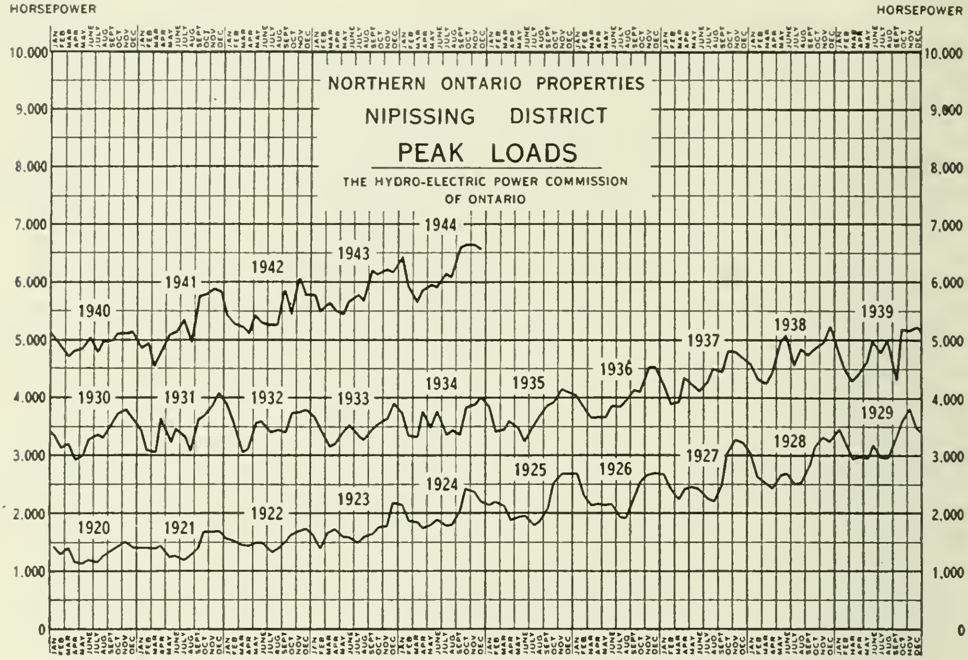
Sudbury District

The total load of the Sudbury district, all of which was for primary distribution, was slightly greater than the corresponding load of the previous year. The peak load of 21,945 horsepower exceeded that of the previous year by 1.8 per cent and the total energy consumption for the year was 2.4 per cent greater.

Water conditions were subnormal in the Sudbury district throughout the year. To conserve storage on the Sturgeon and South River watersheds for use in the winter of 1944-5, approximately 5,000,000 kilowatt-hours were purchased from the Abitibi Power and Paper Company's Sturgeon Falls plant between the middle of July and the end of October, 1944.

Nipissing District

The Nipissing district peak load was 6,675 horsepower and exceeded the peak load of the previous year by 7.9 per cent. The energy consumption for the year was 7.1 per cent greater.



Water conditions in this district have been about normal but, in recent years, insufficient to generate the district load requirements. During 1944 the shortage was approximately 9,130,000 kilowatt-hours, which was supplied from the Sudbury district's resources.

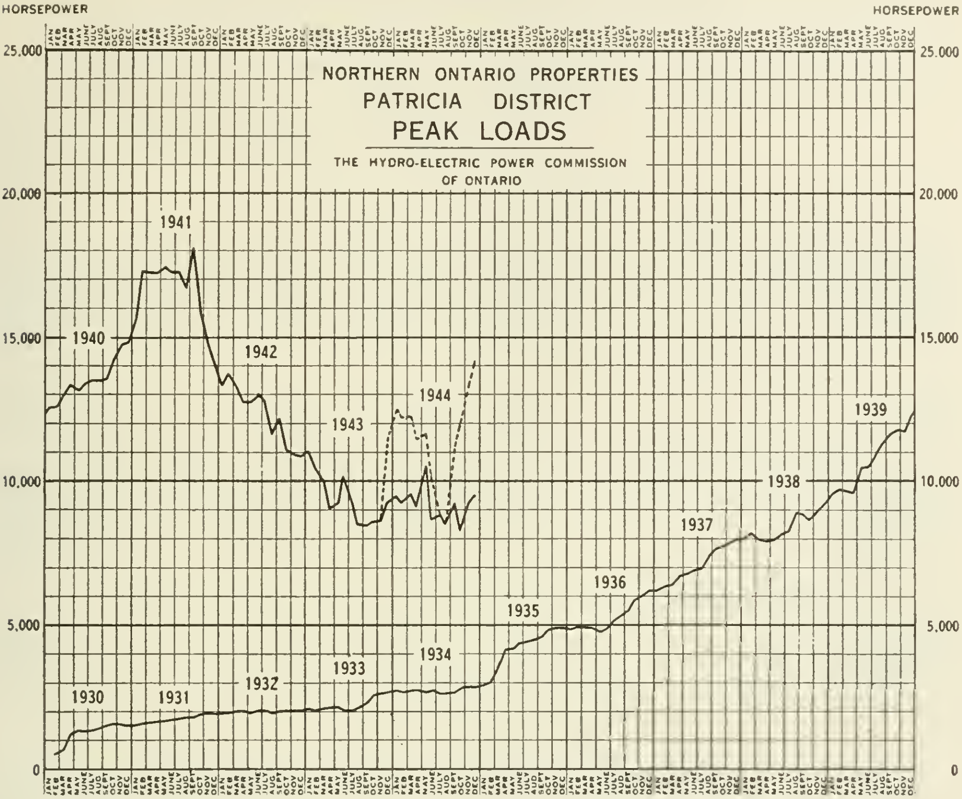
Manitoulin District

Power supplied to the Manitoulin district is purchased from the Manitoulin Pulp Company. Operation throughout the year was normal. Compared with the previous year the peak load was 16.4 per cent greater and the year's energy requirements increased 9.5 per cent.

Patricia District

Compared with the previous year, primary demands in the Patricia district were smaller, both the peak and year's energy demands receding nearly 5 per cent.

Power demands for the mining and refining of gold at the mines in the Patricia district have dropped to about one-half of what they were at the beginning of the war. As a result, considerably more reserve capacity is now available than formerly. Part of this reserve capacity was used to supply electric boiler load for heating purposes at three of the mining properties in



the Patricia area. Initial delivery to two of these mines was made in December 1943 and a third in October 1944. About 8,000,000 kilowatt-hours were thus utilized.

Rainy River District

Parallel operation between the Rainy River district, which purchases power from the Thunder Bay system at cost, and the Ontario-Minnesota Pulp and Paper Company's system was commenced on November 28, 1943, and on December 9, 1943, delivery of approximately 10,000 horsepower was made to replace the original output of the Ontario-Minnesota Pulp and Paper Company's Moose Lake generating station, which was closed down at that time preparatory to the diversion of the Seine river and the pumping out of Steep Rock lake. Initial delivery of power for the pumps was made on December 15. Following this the generators at the Company's Moose Lake plant were converted to synchronous condensers and were placed in service near the end of February for the regulation of voltage at that point.

NORTHERN ONTARIO PROPERTIES—LOAD OF MUNICIPALITIES—1943-1944

Municipality	Frequency cycles	Peak load in horsepower		Change in load	
		July to Dec., 1943	July to Dec., 1944	Decrease	Increase
ABITIBI DISTRICT					
Hislop Townsite	25	36.7	33.1	3.6	....
Kearns Townsite	25	125.7	117.8	7.9	....
King Kirkland Townsite	25	30.3	32.4	....	2.1
Matachewan Townsite	25	151.1	162.7	....	11.6
Mooretown	25	42.9	40.2	2.7	....
Ramore-Matheson	25	137.5	128.4	9.1	....
SUDBURY DISTRICT					
Capreol	60	264.2	282.6	....	18.4
Sudbury	60	10,186.3	11,327.0	....	1,140.7
NIPISSING DISTRICT					
Callander	60	89.7	96.9	....	7.2
Nipissing	60	3.0	3.0	....	....
North Bay	60	4,913.3	5,305.6	....	392.3
Powassan	60	116.6	128.4	....	11.8
PATRICIA DISTRICT					
Cottage Cove Townsite	60	56.3	55.9	0.4	....
Hudson	60	70.2	72.8	....	2.6
Red Lake Townsite	60	126.3	160.3	....	34.0
Sioux Lookout	60	313.9	345.8	....	31.9

MAINTENANCE OF THE SYSTEMS

During the war years it has been necessary to defer maintenance work not actually essential to maximum service for war production. Under war conditions heavier loads cause additional wear, and shortages in skilled labour and supplies have made it necessary to accept a somewhat lower standard of maintenance. Nevertheless, all essential equipment has been maintained in efficient operating condition. As evidence of this may be cited the absence of any serious failures during 1944 notwithstanding the high level of output throughout the year.

Transmission lines were regularly patrolled. A careful examination was made of poles to locate those weakened by rot; several thousand defective poles were replaced, and extensive work was carried out treating the butts of other poles to retard rot. Insulators were checked systematically and defective units replaced to forestall failure and the resultant interruptions to service.

Repairs were carried out on the generators and turbines at several power plants. In this connection, it is interesting to note that in the Toronto Power plant at Niagara Falls a technique was developed by means of which broken generator shafts 14 inches in diameter were effectively restored by welding and heat treatment, at a fraction of the time and expense that would have been required to obtain and machine new shafts.

At a number of transformer stations, 110,000-volt oil breakers were modernized to increase their capacity. Transformers varying in size from 150 to 3,000 kva were rebuilt and restored to service.

FORESTRY DIVISION

Due to the loss of personnel to Military Service and the lack of suitable replacements, the extent and volume of Forestry operations have necessarily been curtailed. A brief statement of the volume of work performed this past fiscal year on the Southern Ontario system is given below.

Line Clearing

Operating and Rural department linemen assigned to work with forestry squads when in their respective districts have contributed in no small measure to what has been accomplished. Cooperation by the Department of Highways facilitated this work.

SUMMARY OF LINE CLEARING OPERATIONS

	Brush cutting pole spans	Trees treated	Miles of line cleared	Tree density per mile
Bell Telephone Co., joint use of poles..	......	294	6	49
New line construction................	......	223	2	111.5
Municipal Hydro systems............	......	1,452	25	58
Transmission and Telephone lines.....	138	50,840	1,908	26.6
Rural power districts................	6	30,364	754	40.2
Total........................	144	83,173	2,695	30.8

Forest Management

The deciduous and coniferous trees planted in years past on areas available for this purpose were inspected. Some destruction has been caused in one area by rodents; remedial measures have been taken which it is hoped will prevent further damage.

Reforestation

Some deciduous tree seeds have been sown in areas along the Chippawa-Queenston Canal that will not support nursery stock until it could become established. Little replacement planting was done.

Spraying

The trees and shrubs on some of the more important properties in the Eastern and Niagara divisions were sprayed with chemical mixtures for the control of insects and fungus diseases.

SECTION III

MUNICIPAL WORK

THE Commission acts in an advisory capacity to the municipalities with which it has contracts, and assists municipal officials to purchase, construct or extend distribution systems. As provided under The Power Commission Act, all rate adjustments are approved by the Commission, therefore, a study of the operating conditions of all utilities is made annually and adjustments recommended.

In rural power districts, the Commission, on behalf of the township corporations, operates the rural power systems and distributes electrical energy to the customers of the respective corporations in all such rural power districts. Consult Section IV of Report.

SOUTHERN ONTARIO SYSTEM

During the year 1944, the Southern Ontario system load was influenced by two factors; a gradual recession of certain large industrial loads used for war purposes, and an increased demand by municipalities. The municipal utilities, rural power districts and industrial companies' regular loads increased by an average of 88,626 horsepower, or 6.3 per cent, but the recession of large industrial war loads tended to reduce the demand with the net result that the total average load supplied for all purposes exceeded the 1943 load by approximately 50,000 horsepower.

Owing to the partial lifting of metal restrictions, relating to service to rural consumers, and to general growth in use, there was an increase in the average rural load of 8,780 horsepower, or 11.75 per cent. Immediate construction of a number of substations to provide additional capacity is proposed.

On October 1, 1944, the controls instituted by the Dominion Power Controller were cancelled, thus restoring for lighting and power customers most of their present requirements.

Engineering Assistance to Municipalities

General engineering assistance was given to municipalities during the year in preparing estimates for expenditures to be made in the post-war period. These expenditures include deferred maintenance and rehabilitation of the local systems to provide for changes in the demand for power during the post-war period.

The assistance given relates to the design of more modern street-lighting facilities, the preparation of estimates for increased substation facilities, the taking on of flat-rate water heaters and the general utilization of power.

Niagara Division

Conditions on the Niagara division of this system are indicated by the following statements:

In the Toronto metropolitan area there has been a marked shortage of houses and during 1944 a housing programme was advanced which required additional substation facilities in most municipalities adjacent to the city. In this area also there is evidence of expansion in manufacturing facilities and new plants are being planned for the suburbs. Should these plans be carried out, important power distribution works, including new high-tension stations, will be needed to serve this growing metropolitan area.

The synthetic rubber industry continued to demand more power and during 1944 a large increase was recorded. In the Hamilton area substantial expansion of steel-making facilities is under way.

An analysis of load-line conditions in the western section of the Niagara division showed that it would be advantageous to install at Essex transformer station the third 40,000-kva, 13,200-volt synchronous condenser ordered at the time the two installed at Burlington transformer station were arranged for. Studies show that with the installation of this condenser at Essex, approximately straight-line voltage should result at the St. Thomas, Kent, Essex and St. Clair transformer stations. This installation at Essex will be completed as early as possible in 1945.

During 1944, the Commission decided to construct a 110,000-volt steel-tower line from Kent transformer station to St. Clair transformer station, with line automatic, 110,000-volt oil circuit-breakers installed at each end of the line. This will provide an alternative route to St. Clair transformer station and thus improve service to Sarnia and other municipalities served therefrom. Since 1926, power for the St. Clair transformer station has been supplied over a 110,000-volt wood-pole line from St. Thomas. This wood-pole line will soon require further replacement of wooden structures. The new steel-tower line will be installed as early as possible in 1945, and will minimize the effect of interruptions for replacement of wooden structures on old line.

Certain municipalities received special engineering advice and assistance respecting matters which are more fully referred to below:

Amherstburg—Plans are being prepared for removing the cedar poles from two blocks of the business section of the town, where the street is narrow, and building new pole lines on private property behind the stores. A new system of street lighting will be provided in the near future.

Blenheim—Additional transformer capacity was installed to take care of additional power loads.

Bothwell—Additional transformer capacity was installed to take care of a new load of 35 horsepower for a grain-shelling plant.

Brantford—Further additions to the substations were required to supply additional power for the manufacture of agricultural machinery and munitions. The municipality purchased one 3,000-kva transformer for this purpose.

Brantford Township—In June 1944, the Township passed a by-law to enlarge and alter the boundaries of the voted area. This change will necessitate the transfer of a number of rural customers to the Township, the rehabilitation of the Township system and the construction of two new substations to replace an existing supply from the Brantford Hydro-Electric System.

Burgessville—An additional power bank of 75 kva is being installed to provide service for a new power customer.

Chatham—The plan of rebuilding the oldest pole lines and stringing heavier copper conductors was continued. A site was purchased on Grand Avenue north of the Thames river for a new substation to supply the north section of the city. Certain extensions were made to the primary underground system.

Dresden—The growth of load has made it necessary to increase the substation capacity and arrangements are being made for a new substation. The construction, after the war, of a new office building is being considered.

Dundas—A 600-kva transformer was installed on a new station site to take care of increased loads, largely for Ancaster Township voted area.

East York Township—An agreement was made covering the purchase from the Commission by the East York Hydro-Electric Commission of the five complete substations, each of 1,875-kva capacity.

Embro—Arrangements have been made to provide an additional 50 horsepower for an existing power consumer.

Erieau—A new bank of three 25-kva, 575-volt transformers was installed to supply power to a fisheries plant and a ship-building company.

Galt—To provide for increased power loads, two 750-kva, 13,200 to 550-volt three-phase transformers were purchased and installed at locations close to the larger consumers' plants.

The arrangement of three 4,000-volt voltage regulators was altered to give regulation on feeders instead of on the 4,000-volt substation bus.

Georgetown—Power transformers were rearranged in the municipality to make it possible to supply 250 horsepower of additional load to a large power consumer.

Glencoe—A new bank of three 25-kva, 575-volt transformers was installed for a new power load.

Goderich—The Commission was requested to give engineering assistance in the preparation of the design of, and estimates for the cost of a new substation.

Guelph—The Guelph Light and Heat Commission will purchase additional transformers for a new substation to be constructed in 1945 in the northerly section of the city.

Hamilton—The Hamilton Hydro-Electric System is arranging for the utilization of additional power by a large steel plant. This additional load will necessitate further extensions to the Commission's 110,000-volt stations and transmission lines.

Harrow—An increased load in a canning plant necessitated rebuilding the existing power bank and supplying a heavy underground cable to handle the service.

Hespeler—Increased load at a large textile plant made it necessary to provide larger transformer capacity at the plant. One of the 1,500-kva transformers was moved from the local substation to a site near the plant.

Kingsville—Plans have been requested for the installation of a primary underground system for the central part of the town.

London—It was necessary to extend the 13.2-kv line a distance of approximately one-half mile to supply power to a new well for the waterworks system.

Merlin—Additional transformer capacity will be installed to handle the increased load to a grain and feed mill.

Milverton—Three 75-kva power transformers were installed to supply a flour mill that has not been operating for some years. It has been acquired by a company which rehabilitated it, constructed a railway siding and is producing crushed grains and stock feed.

Newmarket—This municipality has been supplied by the Commission for a number of years on a fixed-rate contract, taken over with the purchase of the Metropolitan Railway Company.

It is proposed that the town enter into a contract for a supply of Hydro power on a cost basis. By-laws will be submitted at the annual elections.

Niagara-on-the-Lake—Further assistance was given in rebuilding the distribution system.

North York Township—The Township Hydro-Electric Commission is arranging for a supply of power to the Sunnybrook Military Hospital.

Oakville—A 4,000-volt, 25-cycle distribution line was constructed for the town of Oakville to deliver 25-cycle power from a new substation in the municipality to a company for the manufacture of materials for the Armed services. The distribution switchboard in the Oakville substation was rehabilitated to supply improved service to the Oakville consumers.

Parkhill—Changes were made in the distribution system and a new bank of transformers installed to improve present conditions and provide service to a new power customer.

Ridgetown—This municipality is planning to put up a new office building after the war on a lot they now own.

Riverside—Work was continued on rebuilding jointly used lines in the alleys back of the Main street. A new street-lighting system is being arranged for.

St. Thomas—Preliminary plans are being prepared to supply 13.2-kv power to a large new industry in the east end of the city.

Sarnia—The distribution system was extended to supply a number of wartime houses. Detailed plans are being made to remove all cedar poles from the main business section of the town by running all conductors in an underground-duct system.

Stouffville—Detail plans showing changes to sections of the distribution system were submitted to the municipality and actual work will progress early in 1945.

Tillsonburg—Arrangements are being made to supply 160 horsepower to a new industry. A portion of the primary line supplying an industrial plant at the southern limits of the municipality is being rebuilt with heavier conductor to improve the present service and to take care of a possible increase in load.

Trafalgar Township, Voted Area No. 1—Facilities were provided to supply two 25-cycle power consumers in the township of Trafalgar and power was delivered from the new Oakville substation. The work of rehabilitating the Trafalgar Township switchboard in the Oakvile substation, was completed.

Wallaceburg—Following the annexation of part of the adjoining township by the town, the local distribution system was extended to supply a new canning factory and waterworks-pumping station. Plans are being prepared to install a new substation in the industrial section.

Waterloo—A 1,500-kva, 13,200/2,200-volt, three-phase transformer was purchased and is to be installed in the local substation to take care of lighting and power increases. A new substation in the industrial section is proposed.

West Lorne—Provision is being made to supply an additional block of power to an existing manufacturing plant. This will require a re-arrangement of the transformer banks and changes to the distribution system.

Windsor—A new primary underground-duct system was installed under the railway tracks at Walkerville to supply a new grain elevator. The oldest sections of the distribution system are being rebuilt according to plan. Work was continued on the substation supplying a large motor plant.

Woodstock—The 375-kva, three-phase, 550-volt indoor transformer at Butler Street substation is being replaced by an outdoor bank of double the size. This change provides for a new load of approximately 150 horsepower, as well as for increases in present loads.

York Township—An agreement was entered into with the municipality of the Township of York for the sale, by the Commission, of 26.4-kv lines and six substations, each of 3,750-kva capacity.

Georgian Bay Division

The 60-cycle power supply of the Georgian Bay division is provided by twelve hydro-electric generating plants and a frequency-changer station at Hanover through which 25-cycle power from the Niagara division is transformed to 60-cycle power.

The maximum dependable generating plant capacity available, including that through the frequency-changer station, is slightly under 60,000 horsepower. No increased capacity was added during 1944 and no additional transmission lines were constructed. As the peak load established is approximately equal to the available capacity, studies were made concerning the best means of providing increased power. The possibilities reviewed were: a new frequency-changer station at Hanover; a 110-kv transmission line from Hanover to Fergusonvale, the central distribution point on the Georgian Bay division; new generating plant capacity at available sites in the Muskoka area, and a 110-kv transmission line connection to the Eastern Ontario division. It is planned to make additional generating capacity available in 1945. Additional transformer capacity has been or will be provided at municipal sub-stations where needed.

Valuations and estimates were made concerning the acquisition of the Caledon Electric Company's system which supplies power to approximately 1,000 customers in municipalities and rural areas in the counties of Peel and Wellington. Arrangements were made for the purchase of this system by the Commission, to become effective November 1, 1944.

Engineering Assistance to Municipalities

General engineering advice and assistance were given to all municipalities of the Georgian Bay division in connection with the operation of local distribution systems, and specific engineering assistance concerning the matters noted was rendered to the following municipalities,—

Bradford—The local transformer station capacity was increased from 300 to 600 kva. Improved Hydro service to the Holland River Marsh drainage scheme included the installation of a new 150 horsepower pumping plant and distribution line extensions to many new homes and a large cold storage plant, which are a direct result of extensive utilization of reclaimed land for market gardening.

Cookstown—The local transformer station capacity was increased from 75 to 150 kva.

Penetanguishene—Extensive alterations to the distribution system and to power consumers' transformers and motor equipment, which have been in progress during the past three years, were completed during 1944, with a noticeable improvement in voltage regulation and power factor conditions.

Southampton—The local transformer station capacity was increased from 150 to 250 kva to provide for the gradual load growth which has taken place.

Thornbury—A new transformer station of 225 kva capacity was installed to augment the supply of power obtained from the local hydro-electric generating plant. A temporary arrangement for a supply of power was made pending a vote of the ratepayers authorizing the town to execute an agreement with the Commission, involving a power supply from this new station on a cost basis.

Uxbridge—Preliminary investigations were undertaken regarding the removal of pole lines from the main street.

Eastern Ontario Division

The Bark lake storage reservoir in connection with the Barrett Chute plant, was in continuous operation for the entire year, although the reservoir was not full until about August. The interchange of power with the 25-cycle supply, permits the conservation of storage water on the Madawaska river during the summertime to be used later as and when required on the Eastern Ontario division.

There was little change in war industries, most of them continuing to operate at full load, and it was not necessary to increase transmission lines and station capacities during 1944 on their account. The municipalities, however, continue to show a steady upward trend in load. Towards the end of the year, a number of airfields decreased their load due to a gradual falling off of requirements for the Commonwealth Air Training Plan.

Distribution stations were increased in capacity in a number of municipalities and rural districts.

Engineering Assistance to Municipalities

Certain municipalities received special engineering advice and assistance respecting matters which are more fully referred to below:

Almonte—For many years Almonte has been supplied with power from a plant owned by the town, but owing to increase in load beyond the capacity of the Municipal plant, negotiations were carried on between the municipality of Almonte and the Commission for an additional power supply. On August 21, 1944 the electors voted in favor of entering into a cost contract agreement with the Commission for 200 horsepower. It is expected that a temporary installation will be made early in 1945.

Belleville—Estimates have been provided in connection with a new 3,000-kva station, 44 kv to 4 kv, to serve the western portion of the city.

Bowmanville—Growth of load necessitated the installation of a 1,000-kva transformer in the Bowmanville substation, which brought the capacity up to 3,250 kva.

Millbrook—To serve new industries, an increase in the capacity of Millbrook substation was completed early in the year, making three-phase power available for the first time.

Oshawa—Negotiations were completed for the purchase by the Oshawa Public Utilities Commission of No. 3 distributing station with a capacity of 6,000 kva. This is the first step in the ultimate purchase by Oshawa of the three 44 kv to 4 kv distributing stations serving the city.

Peterborough—Arrangements were made for a supply of power by Peterborough Public Utilities Commission to the Quaker Oats Company to augment the power obtained by it from its own hydro-electric generating station. This power will be supplied at 44,000 volts.

In order to improve service to the city of Peterborough, improved high-tension line switching arrangements are being made.

Renfrew—For many years Renfrew has been supplied with power from two generating plants owned by the town and situated within the municipal limits. Due to growth of load beyond the capacity of these two plants, negotiations were carried on between the municipality and this Commission for an additional supply of power.

On August 29, the electors of Renfrew voted in favor of entering into a cost contract with this Commission for 200 horsepower. It is expected that power will be delivered on December 1, 1944.

THUNDER BAY SYSTEM

The Thunder Bay system is the only co-operative group in the northern portion of the Province served on a cost basis similar to the Southern Ontario system. It includes the cities of Port Arthur and Fort William, a voted area in Nipigon township known as Nipigon village, and the Thunder Bay and Nipigon rural power districts, now served as part of the amalgamated Hydro rural service.

The mining district east of the Nipigon river in the Beardmore and Longlac areas, although listed in the past as forming a portion of the Thunder Bay system, is virtually a portion of the Northern Ontario Properties and will eventually be transferred. In addition to providing for the requirements of its own cost municipalities, the Thunder Bay system sells power to the Northern Ontario Properties represented by the Rainy River mining district, the generating source of power supply being two developments on the Nipigon river at Cameron Falls and Alexander, having a combined plant capacity of 126,000 horsepower.

Power supply in the Thunder Bay district is largely concerned with the development of forest products and mineral deposits, the two major sources of raw material in northern Ontario. During the year 1944, approximately 52,000 horsepower was supplied to pulp and paper mills, which was a reduction of 7.5 per cent over 1943 loads, and 7,700 horsepower for gold mining operations, a reduction of 14.4 per cent over 1943 loads, both of these decreases being due to war conditions.

The cities of Port Arthur and Fort William occupy a unique position with respect to the grain trade of Canada, being situated at the head of navigation on lake Superior. They have facilities in terminal grain elevators for handling the transfer of the major portion of the western-grown grain crop from rail to water transportation systems, with storage capacities sufficient to hold at any one time from 25 to 35 per cent of the annual crop. Large blocks of power are required.

The Port Arthur load in 1944 increased by 13.7 per cent and the Fort William load by 4.8 per cent over 1943, due partly to an increase in the demand for power supplied for war industries. Load increases occurred in 1944 over 1943 in Nipigon village of 6.4 per cent, and in the Thunder Bay rural power district of 7.9 per cent.

The total average load sold by the Thunder Bay system for the year 1944 was 116,333 horsepower, representing an increase of approximately 14.8 per cent over 1943 conditions. This increase was due to the load taken by the Steep Rock Iron Mines in the Rainy River district of the Northern Ontario Properties, amounting to 16,972 horsepower, which was first served in November 1943 and which, together with municipal load increases, more than offset the recession in power demand for the gold mining and pulp and paper industries.

Negotiations were carried on during the year covering power supply to a large kraft paper mill at Red Rock adjacent to Nipigon village, which will result in further load increases next year of some 8,000 horsepower. This load, together with that of the Steep Rock Iron Mine, will result in a total load increase of from 25,000 to 30,000 horsepower to be supplied by the generating plants of the Thunder Bay system and has necessitated the installation of a fourth generating unit of 20,000 horsepower at the Alexander generating plant on the Nipigon river.

Engineering Assistance to Municipalities and Mines

The local Commissions at Port Arthur, Fort William and Nipigon village received assistance concerning the operation and maintenance of their local distribution systems and periodic visits were made to all operating mines served by the Thunder Bay system.

NORTHERN ONTARIO PROPERTIES

The districts served by the Commission on behalf of the Province in northern Ontario are the Abitibi, Sudbury, Nipissing, Patricia and Rainy River districts. In addition there is included in the Northern Ontario Properties the rural power district of Manitoulin Island.

Power for the first four districts is supplied from ten hydro-electric generating plants having a combined normal plant capacity of 288,300 horsepower. These supplies in 1944 were supplemented by power purchased from the Abitibi Power and Paper Company Sturgeon Falls plant in the Sudbury area; from the Thunder Bay system for the Rainy River district, and from a local source for the Manitoulin rural power district.

Service was provided in sixteen municipalities and mining townsites, and to thirty-four gold mining properties—twenty-seven of which were under production during 1944 with seven closed down and taking power for caretaking purposes only. Power was also supplied to the Canada Northern Power Corporation, the majority of whose customers are gold mining properties. Service was also given in five rural power districts now forming part of the amalgamated Hydro rural power service given throughout Ontario.

The total average load sold in 1944 was 198,663 horsepower, an increase of approximately 1,600 horsepower over 1943. The fact that there is an increase is due to the Rainy River district being placed in operation for the first time at the beginning of the fiscal year with an average annual load of approximately 16,000 horsepower.

In northern Ontario such communities as exist are mostly dependent upon the mines. It is not practicable, therefore, to develop in northern Ontario co-operative systems such as form the basis of Hydro operations in southern Ontario. For this reason and partly because of the hazards of mining operations the publicly owned Hydro properties of northern Ontario are held by the Commission in trust for the Province and are operated upon the financial responsibility of the Government. Nevertheless, although Hydro in northern Ontario is not a co-operative enterprise supplying power at cost as it is in southern Ontario, yet on the other hand it is not operated for the purpose of supplying a profit to the Government.

Hydro's purpose in northern Ontario is to encourage the mining industry and facilitate the development of new properties by the establishment of ample supplies of electric power at a stabilized low cost.

The rates authorized by the Commission have provided for ample reserves and the entire Northern Ontario Properties is in an excellent financial condition.

In the Abitibi district the average load sold in 1944 amounted to 144,916 horsepower, being a decrease of 9.1 per cent compared with 1943. Power is supplied to the mining areas of Porcupine, Kirkland Lake and Matachewan and to the International Nickel Company at Sudbury.

In the Sudbury district the average load sold in 1944 amounted to 22,506 horsepower, an increase of 6.5 per cent. Power is supplied both to the International and Falconbridge Nickel Companies for mining operations.

In the Nipissing district the average load sold amounted to 5,524 horsepower, an increase of 8.6 per cent. Service is given to the city of North Bay and territory adjacent thereto.

In the Patricia district the average load sold in 1944 amounted to 9,016 horsepower, a decrease of 17.7 per cent. This district includes the Red lake and Pickle mining areas, the town of Sioux Lookout and the Dryden Paper Company.

In the Rainy River district, placed in operation in November 1943, there was an average load of 16,154 horsepower. Power supply for this district is purchased at a frequency of 60-cycles from the Thunder Bay system and is delivered to the Steep Rock Iron Mines and the Ontario-Minnesota Pulp and Paper Company at Fort Frances.

On Manitoulin Island the average load sold in 1944 was 548 horsepower, an increase of 18.1 per cent.

SECTION IV

RURAL ELECTRICAL SERVICE

IN ONTARIO

MANY important steps were taken by the Commission in 1944 which will have far-reaching effects in hastening the time when, throughout Ontario, Hydro service in rural districts will be given wherever it is practicable to extend distribution lines.

As from January 1, 1944 the Commission put into operation a comprehensive revision of its rural service which is, without doubt, the greatest step forward since the formation of rural power districts in 1920, and the subsequent grants-in-aid inaugurated by the Province, in 1921 and extended in 1924, in connection with its well established policy of assistance to agriculture.

The chief feature of the new set-up for rural service is the establishment for rural districts of a uniform rate structure with a common rate applicable to each class of service. Thus, no matter where rural service is given in Ontario by the Hydro the rural consumer for the same class of service with the same consumption of electricity will pay the same amount on his quarterly bill.

Although, for convenience of administration, the local rural power district areas will be retained as administrative units, the whole rural service is amalgamated into one rural power division of Hydro service, with a pooling of all revenues and expenses. This rural amalgamation and unification of rates is made possible by the financial assistance given by the Province as part of its aid to agriculture. The extent and effect of the Province's financial assistance with respect to the distribution of power in rural districts should, therefore, be clearly understood.

Provincial Assistance

The government grant-in-aid of 50 per cent of the capital cost of lines and equipment for the supply of power, relates solely to the initial capital investment for distribution facilities in rural power districts.

Having made this grant-in-aid the government further participates in the operation of the province-wide Hydro rural service in that it guarantees the Commission against loss due to the fixing of a maximum service charge or its reduction or removal.*

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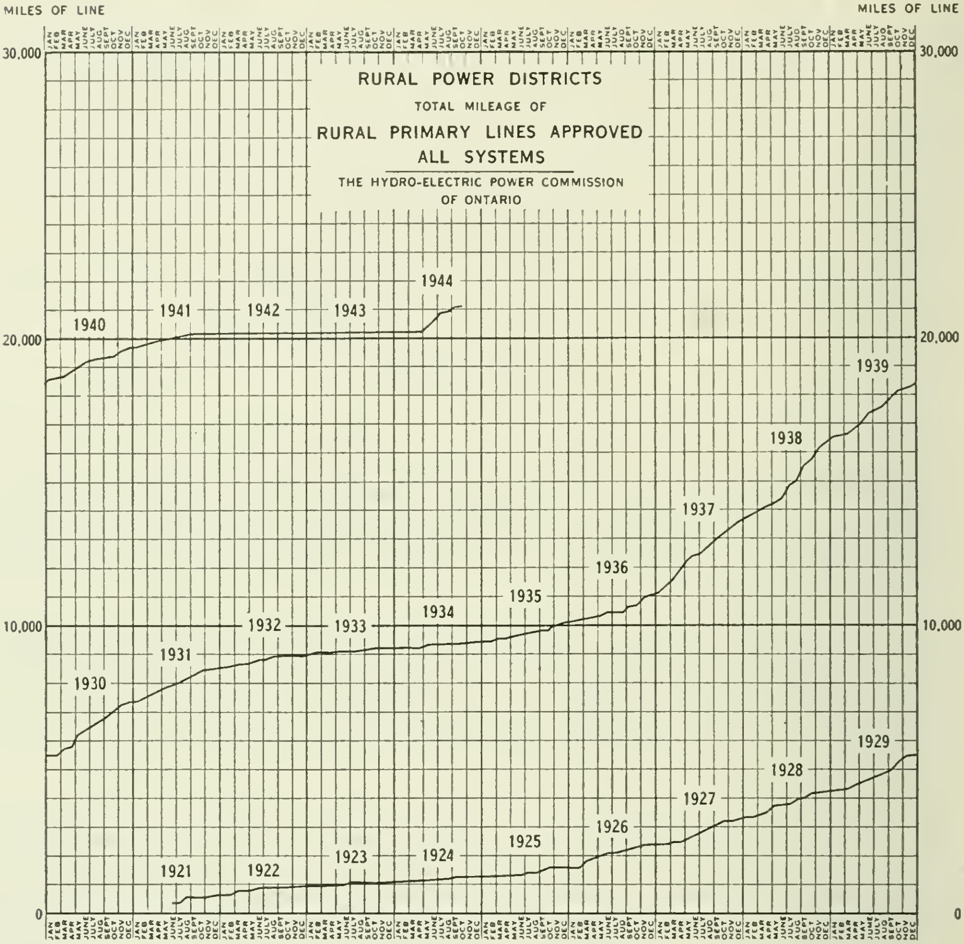
*Consult "An Act To Amend The Rural Power District Service Charge Act" in Appendix I of this Report.

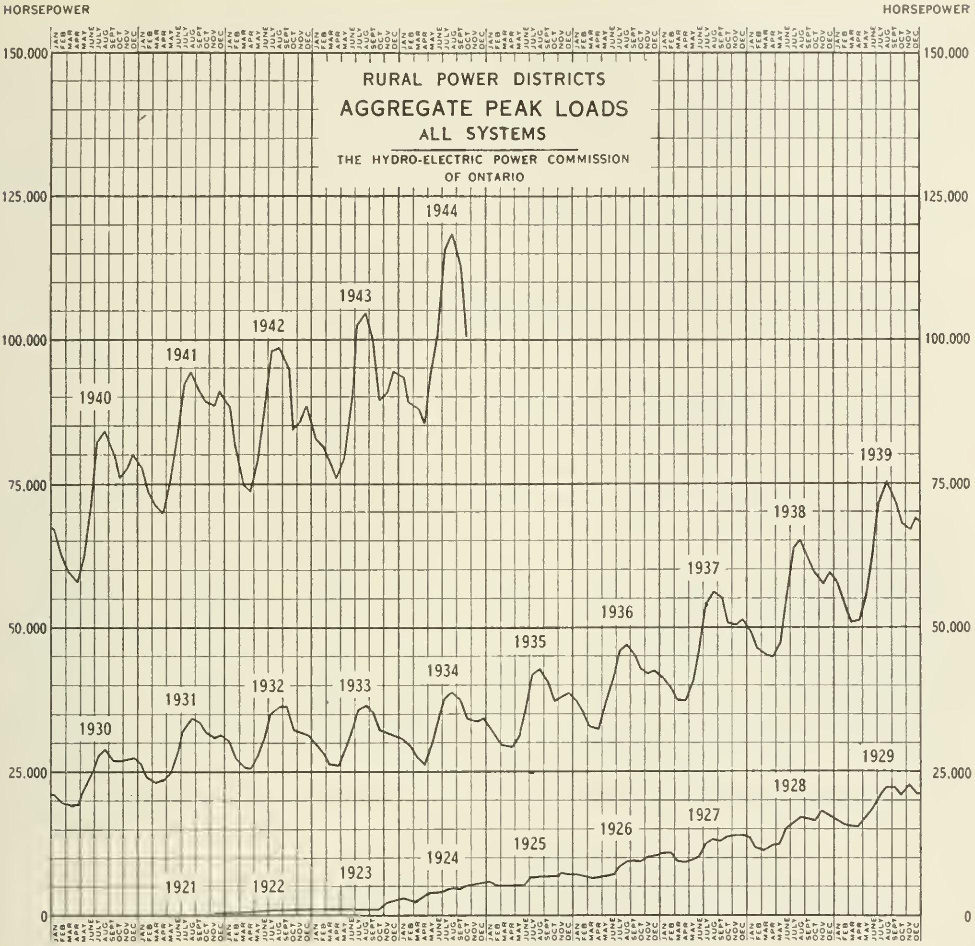


The new set-up is a means of apportioning the benefits from provincial assistance where they will do most good: namely, to the farmer in sparsely settled and less fertile farming districts where, because of these conditions, electrical service is necessarily more costly to provide.

Status of Rural Service in 1944

In 1944 rural service in Ontario was given through 120 operating administrative units which, for convenience, will continue to be referred to as rural power districts. Power was delivered to approximately 146,633 rural consumers, comprising farms and dwellings in various groups. The consumers are situated in 434 organized townships; 23 unorganized townships and 121 police villages, villages and small towns and are served over a network of rural primary lines which aggregate 21,023 miles. In addition to the 457 townships served by rural power districts, 10 townships are served jointly by rural power districts and voted areas.

The restrictions in the use of materials which enter into rural line construction were continued with broadening modifications during 1944. On



March 28, 1944, the Metals Controller for Canada issued an order, M.C. 23A, which allowed, without a permit, the use of not more than 500 pounds of non-ferrous metals for any one job in the construction of services to permanent residences, and not more than 100 pounds in the case of seasonal residences and business premises. Where larger quantities are required, special permits from the Metals Controller must be obtained. Other factors, however, somewhat offset the easing of the restrictions of the Dominion Government. The chief of these was the scarcity of certain materials and equipment; another was the shortage of labour due to war-time conditions—most of the Commission's line crews had to carry on with greatly reduced numbers. For these reasons the Commission was unable to supply service to new consumers as promptly as otherwise would have been possible.

During the past year the mileage of rural-line extensions, approved for construction in rural power districts in Ontario, was 927 The net increase in the number of consumers after allowance for cancellation was 10 292. See tables and footnote on page 48.

The average aggregate peak load* supplied to all rural Hydro consumers, including war industries in rural areas in the Province, amounted to 98,572 horsepower, an increase of 11.75 per cent over 1943. The delivery of power during the winter months, was less than it would have been due to restrictions imposed by the Dominion Power Controller, and to voluntary economies by consumers. These restrictions were removed on October 1, 1944.

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*Average aggregate peak load is the summation of the twelve monthly peak loads for each and all rural power districts, divided by twelve.

RURAL LINE EXTENSIONS APPROVED BY THE COMMISSION DURING THE YEAR 1944

System	Miles of primary line	Net increase in number of consumers			Power supplied in October 1944	Capital approved for extensions	
		Farm	Non-farm	Total		Total	Provincial grant-in-aid
					h.p.	$ c	$ c
Southern Ontario							
Niagara division....	456.29	3,661	2,373	6,034	71,340	1,766,196	883,098
Georgian Bay div. .	144.40	735	634	1,369	8,313	415,402	204,933
Eastern Ontario div.	297.10	1,597	906	2,503	17,700	929,406	464,703
Southern Ont. totals..	897.79	5,993	3,913	9,906	97,353	3,111,004	1,552,734
Thunder Bay........	7.04	36	84	120	756	26,392	13,196
Northern Ontario Properties.........	21.83	48	218	266	2,405	93,082	46,541
Totals..........	926.66	6,077	4,215	10,292	100,514	3,230,478	1,612,471

SUMMARY OF RURAL LINE EXTENSIONS

Approved by the Commission from June 1, 1921 to October 31, 1944

Constructed or Under Construction

System	Miles of primary line	Number of consumers			Capital approved for extensions	
		Farm	Non-farm	Total	Total	Provincial grant-in-aid
					$ c	$ c
Southern Ontario						
Niagara division....	12,233	41,845	48,186	90,031	30,845,914.89	15,399,677.44
Georgian Bay div...	3,211	6,327	13,826	20,153	7,134,257.95	3,477,010.49
Eastern Ontario div.	4,931	12,405	18,732	31,137	12,004,137.31	6,002,068.65
Southern Ont. totals..	20,375	60,577	80,744	141,321	49,984,310.15	24,878,756.58
Thunder Bay........	295	615	907	1,522	650,871,00	325,435.50
Northern Ontario Properties.........	353	506	3,284	3,790	1,115,490.00	557,745.00
Totals..........	*21,023	61,698	84,935	146,633*	51,750,671.15	25,761,937.08

*These totals include 586 miles of primary line under construction on October 31, 1944, and service to 2,415 new consumers, not completed until after the end of the fiscal year.

NEW UNIFORM RURAL RATE STRUCTURE

A new uniform rural rate structure, for the sale of energy, was placed in effect on January 1, 1944, for all rural Hydro service throughout the Province, and replaces the numerous rural rate schedules previously in effect.

The new energy rates consist, essentially, of a three-step energy charge, as follows:

1. A first block or number of kilowatt-hours of energy consumption in the billing period, charged for at 4 cents gross per kilowatt-hour;
2. A second block or number of kilowatt-hours of energy consumption in the billing period, charged for at 1.6 cents gross per kilowatt-hour; and
3. All remaining kilowatt-hours of energy consumption in the billing period, charged for at 0.75 cents gross per kilowatt-hour.

In addition, the service charge in use prior to January 1, 1944, has been eliminated in the case of Farm and Commercial service, reduced by 50 per cent in the case of Hamlet service and changed to an annual fixed charge in the case of Summer service.

Under the new rate schedules, rural service is now available in four main classes. All rural contracts for service carry a symbol consisting of a letter indicating the classification of the contract, followed by a number which indicates the demand rating or permissible demand in kilowatts contracted for. These classes and symbols are: Farm service, F; Hamlet service, H; Commercial service, C, and Summer service, S.

The following is the rate schedule for each main class of service with minimum demand rating:

RATE SCHEDULES FOR RURAL SERVICE—MINIMUM DEMAND

Class and minimum rating	Demand	Service charge per month	Energy consumption per month			Minimum bill (gross) per month
			at 4 cents per kw-hr	at 1.6 cents per kw-hr	at 0.75 cents per kw-hr	
	kw	cents	kw-hrs	kw-hrs	kw-hrs	$ c
F3	3	Nil	60	180	Balance	2.25
H2 (2 wire)	2	56	40	80	Balance	1.67
H3 (3 wire)	3	56	40	180	Balance	2.25
C2	2	Nil	60	120	Balance	1.50
			Energy consumption per year			
		Annual fixed charge	at 4 cents per kw-hr	at 1.6 cents per kw-hr	at 0.75 cents per kw-hr	Minimum bill per year
S2	2	11.11	150	450	Balance	Annual fixed charge
		Prompt payment discount—10 per cent				

For higher demands, above the minmum rating, add to the minimum rating set out above, for each additional kilowatt, the following:

RATE SCHEDULES FOR RURAL SERVICE— ADDITIONAL CHARGES AND CONSUMPTIONS FOR EXTRA DEMAND

Class	Additional service charge per month per kw	Energy consumption per month per kw.			Addition to minimum bill (gross) per month per kw
		at 4 cents per kw-hr	at 1.6 cents per kw-hr	at 0.75 cents per kw-hr	
		kw-hrs	kw-hrs	kw-hrs	$ c
F4, F5, etc.	Nil	20	60	Balance	0.75
H4, H5, etc.	No increase	20	60	Balance	0.75
C3, C4, etc.	Nil	30	60	Balance	0.75
	Additional annual fixed charge	Energy consumption per year per kw.			Minimum bill per year
		at 4 cents per kw-hr	at 1.6 cents per kw-hr	at 0.75 cents per kw-hr	
	$ c	kw-hrs	kw-hrs	kw-hrs	$ c
S3, S4, etc.	3.33*	75	225	Balance	Annual fixed charge
	Prompt payment discount—10 per cent				

*Yearly minimum fixed charge for all summer classes above S2—$15.56 (gross), or $3.33 (gross) per kw of demand, whichever is the greater.

DESCRIPTION OF MAIN CLASSES OF HYDRO RURAL SERVICE

Beginning January 1, 1944 electrical service is supplied in rural power districts under four main classes described below. When the class of service which will meet the requirements of the individual consumer has been chosen, contracts are executed between the consumer and the corporation of the township concerned.

Farm Service

Farm service shall be considered to be service to property having lands used for the production of food stuff or industrial crops for sale and from which a substantial livelihood is obtained. It shall include electrical service to all farm buildings and equipment situated on the farm and used for farm purposes, including buildings and equipment required for processing the products of the customer's farm.

Service under a single farm contract may be supplied to all dwellings or separate domestic establishments situated on the farm property and occupied by persons who are regularly engaged in the operation of the farm.

Additional dwellings or domestic establishments situated on a farm property and occupied by persons not regularly engaged in the operation of the farm, if served, shall be classed as hamlet contracts and rated accordingly. Small properties of five acres and less will be classed as hamlet services except under special circumstances which would justify a farm classification.

The minimum demand of a farm service for billing purposes shall be taken as three kilowatts.

Hamlet Service

Hamlet service shall be considered to be service to a domestic establishment or residence in a rural or in a small suburban community served as part of a rural power district. This class shall include isolated rural residences.

The demand rating of a two-wire hamlet service will be taken as two kilowatts and will be limited by a 20-ampere breaker or a 30-ampere fuse. Where the hamlet service exceeds two kilowatts, three-wire service shall be supplied and the minimum demand for a three-wire service shall be three kilowatts.

Commercial Service

Commercial service shall be considered to be service to community or business premises including schools, churches, public halls, hospitals, hotels, public boarding houses, tourist camps, business and professional offices, stores, repair shops, garages, gasoline stations, blacksmith and woodworking shops, small manufacturing and processing plants, chick hatcheries, sign and display lighting and all other premises used for commercial or community purposes.

Single-phase power only will be supplied under a commercial contract. Where three-phase power is required, the service will be classed as an "Industrial power service."

The minimum demand rating of a commercial contract shall be two kilowatts for a two-wire service and three kilowatts for a three-wire service.

Summer Service

Summer service is applicable to properties where service is used normally only during the summer months and which are not established as the consumer's permanent residence. This service is not limited to cottages, but may include summer hotels, tourist camps, refreshment booths and other commercial premises.

The demand rating of a two-wire summer service will be taken as two kilowatts and will be limited to a maximum of a 20-ampere breaker or a 30-ampere fuse. Where the summer service exceeds two kilowatts, three-wire service shall be supplied and the minimum demand for a three-wire service shall be three kilowatts.

FIVE-YEAR PLAN FOR FUTURE RURAL DEVELOPMENT

A preliminary estimate of the ultimate development of rural service in this Province, which can be foreseen at the present time, based on the minimum density of two farm contracts per mile of line, indicates that a total of 35,080 miles of line would be required to serve a total of 241,205 consumers, of whom 111,877 would be farm consumers.

As shown in the following table, 60 per cent of this mileage has already been constructed, serving 61 per cent of the total consumers and 55 per cent of the farmers:

PRESENT STATUS OF DEVELOPMENT

	Miles of line	Consumers		
		Farm	Non-farm	Total
Preliminary estimate of ultimate development	35,080	111,877	129,328	241,205
Existing development at October 31, 1944	21,023	61,698	84,935	146,633
Existing development as per cent of ultimate	60	55	66	61

The following estimates of growth for the next five years will depend upon the availability of labour and material and the maintenance of income of rural residents at a level which will permit them to invest in wiring, electrical equipment and other improvements.

ESTIMATED DEVELOPMENT FOR FIVE-YEAR POST-WAR PERIOD

	Miles of line	Consumers to be added		
		Farm	Non-farm	Total
First year	1,135	7,579	6,023	13,602
Second year	2,151	7,625	6,339	13,964
Third year	1,532	6,243	4,937	11,180
Fourth year	1,357	5,664	4,438	10,102
Fifth year	1,154	5,056	4,000	9,056
Total for five-year period	7,329	32,167	25,737	57,904

The status of rural development at the end of the five-year period is set out in the table below:

STATUS AT THE END OF FIVE-YEAR PERIOD

	Miles of line	Total consumers served		
		Farm	Non-farm	Total
At the end of five-year period	28,352	93,865	110,672	204,537
Percentage of ultimate	80	84	86	85

Rural Loans

Under The Rural Power District Loans Act, 1930, authority was given to The Hydro-Electric Power Commission of Ontario to finance the installation of wiring and the purchase of specified electrical equipment by rural farm consumers.

Owing to the necessity to conserve funds for war purposes this financing was discontinued on October 31, 1940. Up to the time 1,776 loans had been granted, amounting to $360,852. Details are as given in previous Annual Reports.

To October 31, 1944, 1,761 loans had been repaid in full, either through the maturing of the loan or by being paid in advance by the borrower.

HYDRO POWER CUTS FIREWOOD FOR THE FARM

Three-horsepower motor with switchgear, supported on mobile stand

FARM USES FOR ELECTRICITY

The use made of electrical service by farmers divides itself broadly into applications which provide a higher standard of living in the farm home, and applications which add to the productive capacity of a farm. Some applications, for example, lighting and water pumping, do both.

Farming is a productive industry and the ability of electrical service to provide light, heat and power in a wide range of intensities free from the hazards associated with oil or other fuel and the ease with which electricity may be controlled, permit applications to farm production problems not feasible with any other source of power.

These applications result in savings in labour, increased production, improved quality, prevention of waste, reduced costs and substantial increases in earnings.

To the farm home electricity can bring the same conveniences as are enjoyed by urban residents. It eliminates the drudgery of many household tasks, improves health and comfort and, through the radio, furnishes entertainment, news, discussions of current topics and market reports, all of which bring greater contentment in the rural way of life.

In building up his electrical equipment to receive the maximum benefit from Hydro rural service, the farmer should keep a nice balance between appliances for use in the home and appliances which will add to the productive

MILK COOLING BY ELECTRIC REFRIGERATION

Now being used by progressive Ontario farmers to their economic advantage

capacity of his farm. It is especially desirable that following the installation of lighting service in the home and outbuildings his early concern should be to purchase equipment which will result in cash returns.

Lighting Service

Electric lighting is safe, convenient and reduces the fire hazard to a minimum. It adds comfort and attractiveness to the farm home. In the barn and other buildings it saves time and prevents accidents while doing chores.

In productive operations it is used in the poultry laying house to supplement daylight during the winter months, thus increasing egg production during a period when prices are highest.

In floriculture lighting may be used to promote or retard the flowering of certain flowering plants in order to meet the demand of special occasions.

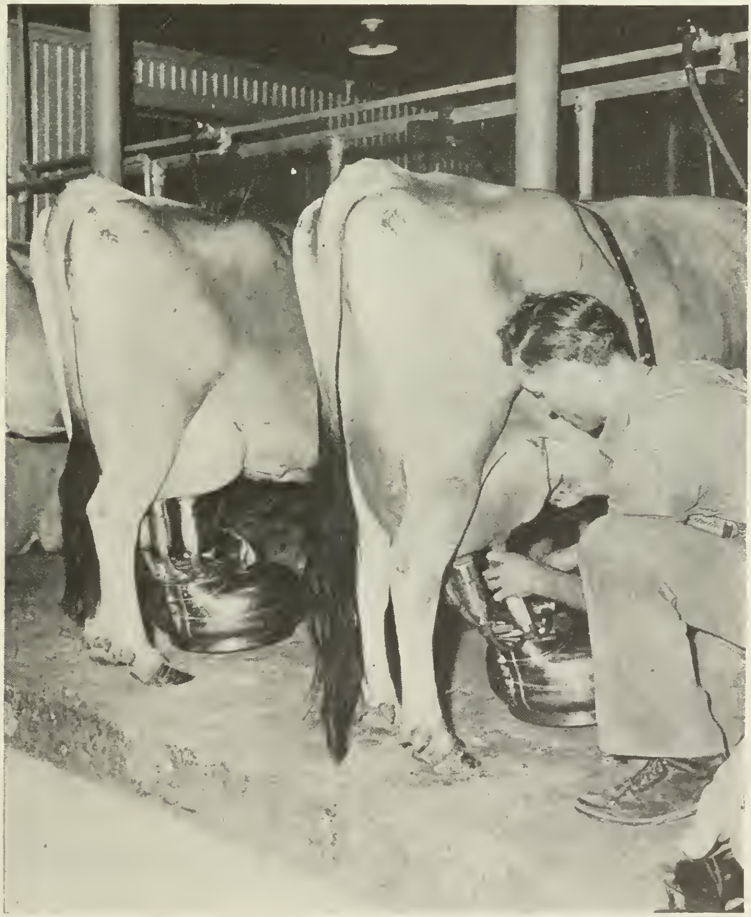
Special applications of lighting include insect traps, infra-red lamps for brooders and ultra-violet lamps to improve the health of poultry and other stock.

Heating Service

The safety and ease of control of electricity as a source of heating has found many applications. In the home it makes possible many of the familiar appliances, such as irons, toasters, hot plates, electric ranges and water heaters, all of which add to the comfort and convenience of the home. The ease of automatic control of electric heat has found application in incubators and poultry brooders, where accurate control of temperature is necessary.

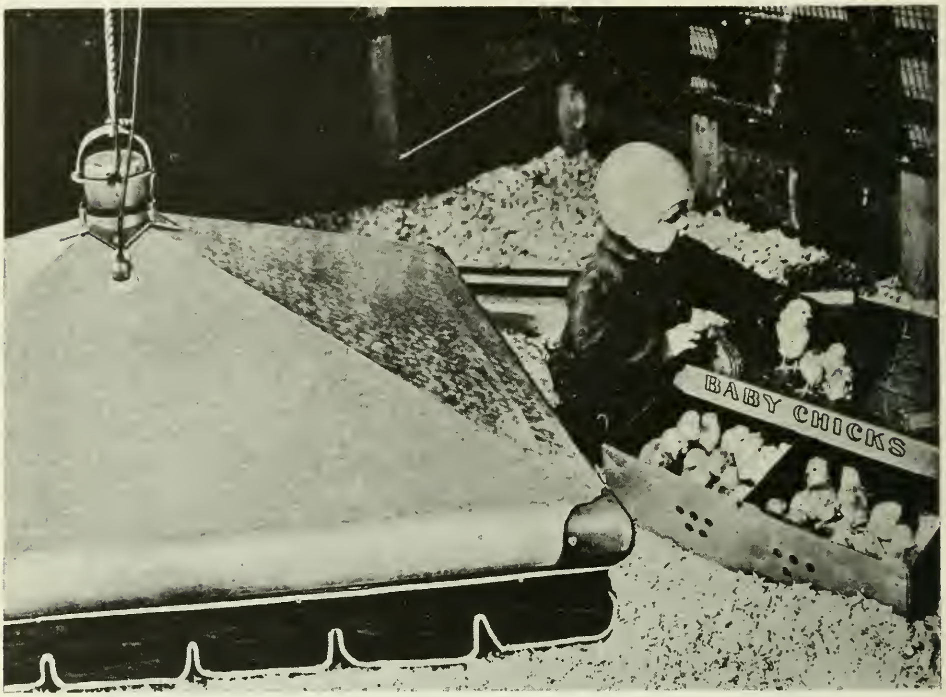
Water heaters and dairy sterilizing equipment assist in maintaining a high quality of milk production. Small capacity heaters are used to maintain drinking water at suitable temperature for poultry, with resultant increases in egg production during the winter months. It also finds application in brooders for pigs and lambs, preventing loss of these animals during cold weather and effecting very substantial savings and increased earnings.

In horticulture electric soil heating is used for the early germination and propagation of seeds and plants and their protection against frost.



ELECTRIC MILKING IN RURAL ONTARIO

Electric milking machines assure cleaner milk and save greatly on labour



ELECTRIC BROODER

Maintains uniform temperature and reduces fire hazard

Power for Electric Motors

Electric motors find many uses in replacing manual effort. A quarter-horsepower motor can operate any machine that can be operated by hand, thus effecting savings in time and effort.

In the home motors make possible washing machines, ironing machines, vacuum cleaners, fans, furnace blowers, water pumps and refrigerators and the new cold storage home locker for the preservation and storage of perishable foods in quantity Thus, motors contribute towards making the farm home equal in comfort and convenience to the urban home.

In farming operations electric motors are used for grinding grain and the operation of feed mixers, effecting substantial cash savings. They are also used for pumping water for stock and the operation of milking machines, cream separators and milk coolers. These result in very substantial savings in labour, and increases in production, and permit the handling of larger herds, effecting increases in farm earnings.

Portable utility motors of various sizes find many applications, such as wood cutting, hoisting hay, elevating grain, seed cleaning and, in the workshop, motor-driven grinders and other equipment provide facilities for maintaining farm equipment in repair and facilitate the construction of various pieces of useful equipment in connection with farming operations.

Estimates of the major electrical appliances used in rural districts are set out in the following table:

ELECTRICAL APPLIANCES IN USE AMONG FARM CONSUMERS IN RURAL POWER DISTRICTS

Data for all systems for the year 1942

On the farm			In the farm home		
Item	Number of appliances	Percentage of saturation	Item	Number of appliances	Percentage of saturation
Motor	11,240	18.0	Range	11,688	18.7
Pump	10,186	16.3	Hot plates	14,921	23.9
Grain grinder	4,293	6.9	Washers	40,014	64.2
Milking machine	3,920	6.3	Vacuum cleaners	10,651	17.1
Milk cooler	1,517	2.4	Water heaters, flat rate	2,739	4.4
Cream separator	5,302	8.5	Water heaters, metered	1,481	2.4
Churn	656	1.1	Grates	539	0.9
Incubator	828	1.3	Portable air heaters	4,970	7.9
Brooder	1,550	2.5	Ironers	938	1.5
Hot bed	56	0.1	Hand irons	50,314	80.7
Water heater, flat rate	181	0.3	Refrigerators	10,913	17.5
Water heated, metered	113	0.2	Toasters	35,465	56.9
Miscellaneous	861	1.4	Radios	49,747	79.8
			Furnace blowers	1,393	2.2
			Pumps	10,480	16.8
			Miscellaneous	2,276	3.6

The following table makes comparison between rural and urban use:

ELECTRICAL APPLIANCES IN USE IN HOMES OF URBAN AND RURAL CONSUMERS—1942

Electrical appliances	R.P.D. Hamlet		R.P.D. Farm		Urban	
	Number of appliances	Percentage of saturation	Number of appliances	Percentage of saturation	Number of appliances	Percentage of saturation
Ranges	7,243	13.4	11,688	18.7	166,498	29.7
Hot plate	13,524	25.0	14,921	23.9	91,260	16.3
Washer	28,270	52.2	40,014	64.2	359,428	64.0
Vacuum cleaner	9,730	18.0	10,651	17.1	270,067	48.1
Water heater, flat rate	2,408	4.4	2,739	4.4	75,241	13.4
Water heater, metered	1,303	2.4	1,481	2.4	75,321	13.4
Grate	420	0.8	539	0.9	50,619	9.0
Air heater	3,992	7.4	4,970	7.9	62,383	11.1
Ironers	914	1.7	938	1.5	19,685	3.5
Irons	41,751	77.0	50,314	80.7	561,912	100.1
Refrigerators	10,184	18.8	10,913	17.5	218,922	39.0
Toasters	29,240	53.9	35,465	56.9	439,971	78.4
Radio	42,033	77.5	49,747	79.8	577,309	102.8
Furnace blower	1,269	2.3	1,393	2.2	62,338	11.1
Grills	....	....	....	....	126,650	22.6
Pump	7,112	13.1	10,480	16.8	....	....
Air-conditioner	....	....	....	....	10,202	1.8
Miscellaneous	2,532	4.7	2,276	3.6	....	....

Average Cost to Rural Consumers Decreasing

The remarkable benefits obtained by rural communities in regard to the amount charged to them during the period 1928 to 1943 are indicated in the following tables:

The classification of rural consumers, and the rates charged have been changed for the year 1944. The result of the application of rates in force, from time to time during the period 1928 to 1943, will not be comparable to the application of 1944 classification and rates. The 1944 results will appear in the 1945 Report.

HAMLET AND HOUSE LIGHTING SERVICE

Classes 1B, 1C and 2A

	Annual Revenue	Kilowatt-hours consumed	Number of consumers billed*	Average revenue per kw-hr.	Average monthly bill	Average monthly consumption—kw-hr.
	$ c.			cents	$ c.	
1928	530,407.00	10,702,031	17,585	4.95	2.51	50.7
1929	663,311.00	14,424,770	21,219	4.60	2.85	62.0
1930	757,558.00	17,815,987	25,013	4.25	2.73	64.2
1931	974,224.17	22,127,474	31,176	4.40	2.88	65.6
1932	1,075,081.03	24,654,386	33,638	4.36	2.76	63.3
1933	1,133,368.70	25,410,470	35,941	4.46	2.70	60.1
1934	1,149,876.67	27,768,460	37,466	4.14	2.61	63.0
1935	1,171,873.28	30,802,290	39,751	3.80	2.53	66.5
1936	1,239,010.83	35,666,241	43,014	3.47	2.49	71.8
1937	1,331,919.46	40,935,040	46,785	3.25	2.47	76.0
1938	1,439,681.39	47,612,820	52,514	3.02	2.42	79.9
1939	1,649,496.29	54,787,544	58,328	3.01	2.36	78.3
1940	1,812,550.53	60,839,240	62,973	2.98	2.40	80.5
1941	1,995,468.46	67,587,082	67,939	2.95	2.45	82.9
1942	2,118,911.57	72,613,472	69,766	2.92	2.56	87.9
1943	2,170,221.41	73,980,871	70,916	2.93	2.57	87.6

*It may be observed that the number of consumers reported here does not agree with those shown in other sections of the Annual Report of the Commission. This is due to the fact that the figures given here represent consumers actually billed, but do not include power or special contracts, whereas elsewhere in the Report the tables show the number of contracts executed to the end of the fiscal year. In many cases service is not given until the following year.

FARM SERVICE

Classes 2B, 3, 4, 5, 6A, 6B, 7A and 7B

Year	Annual revenue	Kilowatt-hours consumed	Number of consumers billed*	Average revenue per kw-hr.	Average monthly bill	Average monthly consumption—kw-hrs.
	$ c.			cents	$ c.	
1928	569,007.00	10,969,828	9,309	5.18	4.97	96
1929	777,736.00	16,022,842	12,605	4.85	5.85	121
1930	863,805.00	20,507,063	16,011	4.21	5.03	119
1931	1,128,554.28	25,716,141	20,796	4.39	5.11	116
1932	1,255,482.13	28,675,400	22,432	4.38	4.84	110
1933	1,309,122.96	30,062,194	23,283	4.35	4.75	109
1934	1,319,922.69	33,312,314	23,882	3.96	4.66	118
1935	1,343,222.39	37,667,453	25,357	3.57	4.55	128
1936	1,385,784.39	45,447,669	28,198	3.05	4.31	141
1937	1,366,484.50	54,858,240	35,508	2.49†	3.57	144†
1938	1,711,788.81	67,886,882	44,565	2.52†	3.56	141†
1939	2,090,259.14	81,613,087	53,240	2.56†	3.56	139†
1940	2,405,092.40	93,859,719	58,728	2.56†	3.41	133†
1941	2,690,250.37	107,061,610	63,304	2.51	3.54	141
1942	2,870.300.31	116,448.363	63,748	2.46	3.75	152
1943	2,934,011.31	121,428,714	64,292	2.42	3.81	158

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*See footnote to previous table.

†In the period 1937 to 1940, there was an increase in the **statistical average** revenue per kilowatt-hour and a decrease in the **statistical average** monthly consumption per consumer. Actually there was a great increase in the use of electricity by nearly all individual Hydro consumers and a corresponding decrease to each consumer in the average cost per kilowatt-hour. But due to the tremendous growth at this time in new consumers, who for the first few years are not equipped to use large quantities of electricity each month, the smaller monthly consumption of the new consumers when averaged with the increased use of the older consumers produced **per consumer** averages which obscured the true trends of individual growth in use, and, individual reductions in costs.

RURAL POWER DISTRICTS
MILES OF LINE, NUMBER OF CONSUMERS—OCTOBER 31, 1944

Control office location	Rural power district	Miles of line	Number of consumers					
			Farm	Hamlet	Commercial	Summer	Power	Total
Southern Ontario System—Niagara Division								
Aylmer	Aylmer	291.41	1,130	548	133	85	3	1,899
Beamsville	Beamsville	263.74	1,384	661	127	141	16	2,329
Blenheim	Blenheim	104.70	443	164	35	65	3	710
Richmond Hill	Bond Lake	221.03	716	1,576	119	197	20	2,628
Bothwell	Bothwell	275.80	784	180	89	......	15	1,068
Brampton	Brampton	201.36	550	262	50	12	5	879
	Streetsville	139.38	477	250	28	46	9	810
Brantford	Brant	208.66	886	383	50	5	9	1,333
	Burford	266.08	947	363	93	3	......	1,406
Chatham	Chatham	244.67	942	648	95	......	11	1,696
Delaware	Delaware	211.47	723	289	94	......	3	1,109
	Strathroy	175.75	526	66	42	......	1	635
Dorchester	Dorchester	163.31	655	243	67	3	7	975
Dundas	Dundas	184.09	718	540	66	......	6	1,330
	Lynden	92.97	308	113	30	......	1	452

RURAL POWER DISTRICTS
MILES OF LINE, NUMBER OF CONSUMERS—OCTOBER 31, 1944

Control office location	Rural power district	Miles of line	Number of consumers					
			Farm	Hamlet	Commercial	Summer	Power	Total
Niagara Division—*Continued*								
West Lorne.......	Dutton..........	131.86	323	109	34	12	4	482
Elmira...........	Elmira...........	159.86	366	276	42	1	6	691
	St. Jacobs........	108.57	253	295	49	14	7	618
Essex............	Essex............	240.13	1,027	421	63	223	6	1,740
Exeter...........	Exeter...........	158.82	486	299	75	387	7	1,254
Forest...........	Forest...........	240.97	728	73	40	205	5	1,051
Clinton..........	Goderich.........	208.94	532	299	59	217	6	1,113
	Walton..........	128.09	351	195	55	......	......	601
Guelph..........	Guelph..........	193.25	543	494	50	8	8	1,103
	Milton...........	135.48	356	160	47	80	4	647
Cayuga..........	Haldimand.......	233.16	669	306	107	92	11	1,185
	Dunnville........	96.63	275	181	42	115	2	615
Harrow..........	Harrow..........	197.32	862	334	58	804	3	2,061
Ingersoll.........	Ingersoll.........	256.58	771	218	49	......	3	1,041
Sutton...........	Keswick..........	200.20	456	635	73	1,212	10	2,386
Kingsville........	Kingsville........	204.66	1,165	414	81	711	8	2,379
Listowel..........	Listowel..........	340.93	965	365	85	......	5	1,420
London..........	London..........	250.98	894	2.335	139	7	12	3,387
Lucan...........	Lucan...........	182.81	476	74	51	......	......	601
Markham........	Markham........	302.74	1,112	1,581	134	665	13	3,505
Merlin...........	Merlin...........	293.75	1,004	207	84	99	9	1,403
Mitchell..........	Mitchell..........	151.27	471	182	55	......	3	711
	St. Marys........	224.05	739	182	61	......	3	985
	Seaforth..........	42.39	109	109	11	......	......	229
St. Catharines.....	Niagara..........	210.60	1,154	1,565	115	134	22	2,990
Norwich..........	Norwich..........	179.59	763	161	44	......	6	974
Oil Springs.......	Oil Springs.......	207.05	574	125	64	1	3	767
Kitchener........	Preston..........	203.76	600	1,040	92	103	16	1,851
	Baden...........	153.89	516	236	67	15	8	842
	Galt.............	56.81	163	399	18	......	3	583
Ridgetown.......	Ridgetown.......	139.06	439	157	45	339	3	983
St. Thomas.......	St. Thomas.......	249.38	875	833	112	4	7	1,831
Stoney Creek.....	Saltfleet..........	108.77	390	1,994	81	216	21	2,702
	Caledonia........	222.22	757	538	80	......	6	1,381
Windsor.........	Sandwich.........	166.69	597	3,381	131	......	18	4,127
Sarnia...........	Sarnia...........	135.83	458	1,315	83	521	2	2,379
	Brigden..........	101.96	289	24	22	16	......	351
Simcoe...........	Simcoe...........	150.99	563	385	64	78	4	1,094
	Walsingham......	473.44	1,646	572	122	371	3	2,714
Stratford.........	Stratford.........	63.89	208	128	26	......	2	364
Stratford.........	Tavistock........	147.26	492	130	38	......	2	662
Tillsonburg.......	Tillsonburg.......	212.78	847	427	79	......	7	1,360
Wallaceburg......	Wallaceburg......	199.89	677	465	73	69	5	1,289
	Dresden..........	114.05	366	33	25	......	......	424
Burlington.......	Waterdown.......	98.41	446	951	52	33	25	1,507
Welland..........	Welland..........	370.34	1,238	2,791	186	684	36	4,935
	Chippawa........	42.40	120	157	34	......	3	314
Woodbridge......	Woodbridge......	299.14	847	917	113	103	21	2,001
Woodstock.......	Woodstock.......	196.14	698	359	75	1	6	1,139
Total Niagara	division..........	12,232.20	41,845	35,113	4,503	8,097	473	90,031

RURAL POWER DISTRICTS

MILES OF LINE, NUMBER OF CONSUMERS—OCTOBER 31, 1944

Southern Ontario System
Georgian Bay Division

Control office location	Rural power district	Miles of line	Number of consumers					
			Farm	Ham-let	Com-mercial	Sum-mer	Power	Total
Bala	Bala	108.46	28	166	40	476	.....	710
Barrie	Barrie	190.23	488	451	83	447	2	1,471
	Alliston	265.59	679	433	72	1,118	3	2,305
Bracebridge	Beaumaris	103.06	143	155	22	386	2	708
	Utterson	65.25	100	85	18	171	.....	374
Bracebridge	Baysville	75.69	101	109	24	231	.....	465
Walkerton	Bruce	276.09	694	354	110	132	6	1,296
	Holstein	47.03	102	26	7	4	.....	139
Erin	Caledon	....	.....	.....	.....	.....	.....	....
Cannington	Cannington	92.89	191	87	30	88	2	398
Cannington	Beaverton	63.08	82	112	23	412	.....	629
Orillia	Hawkestone	98.02	183	117	28	216	.....	544
	Sparrow Lake	81.73	76	183	28	448	6	741
	Gravenhurst	17.99	12	37	5	57	2	113
Huntsville	Huntsville	129.73	104	390	75	196	1	766
Penetanguishene	Midland	213.77	391	195	78	943	.....	1,607
Owen Sound	Owen Sound	59.34	146	65	15	84	.....	310
	Tara	348.71	628	640	144	270	5	1,687
Shelburne	Shelburne	317.34	681	285	62	35	.....	1,063
Uxbridge	Uxbridge	238.25	531	560	91	333	2	1,517
Stayner	Wasaga Beach	27.25	1	52	......	1,450	1	1,504
	Creemore	161.72	440	199	55	6	1	701
Wingham	Wroxeter	229.64	526	358	100	117	4	1,105
Total Georgian Bay division		3,210.86	6,327	5.059	1,110	7,620	37	20.153

Southern Ontario System
Eastern Ontario Division

Control office location	Rural power district	Miles of line	Number of consumers					
			Farm	Ham-let	Com-mercial	Sum-mer	Power	Total
Arnprior	Arnprior	82.12	149	473	98	48	13	781
	Renfrew	88.13	177	326	73	29	6	611
Belleville	Belleville	161.91	490	722	74	10	4	1,300
Bowmanville	Bowmanville	147.40	341	286	41	19	3	690
Brockville	Brockville	300.17	794	749	192	244	10	1,989
Carleton Place	Carleton Place	54.82	115	44	13	20	1	193
Cobourg	Cobourg	316.03	726	557	117	231	1	1,632
Fenelon Falls	Fenelon Falls	181.82	253	190	48	694	1	1,186
	Minden	80.75	97	219	46	180	.....	542
	Omemee	33.93	57	12	11	25	.....	105
Frankford	Frankford	261.61	722	465	77	45	4	1,313
	Brighton	47.98	138	54	14	1	1	208
Kingston	Kingston	328.18	826	828	195	208	9	2,066
Lancaster	Martintown	432.95	1,043	849	191	62	.....	2.145
Millbrook	Millbrook	68.56	161	130	22	2	.....	315

RURAL POWER DISTRICTS

MILES OF LINE, NUMBER OF CONSUMERS—OCTOBER 31, 1944

Control office location	Rural power district	Miles of line	Number of consumers					
			Farm	Hamlet	Commercial	Summer	Power	Total
Eastern Ontario Division—*Continued*								
Napanee.........	Napanee.........	299.27	829	485	119	60	5	1,498
Ottawa..........	Nepean..........	322.49	1,027	917	215	72	23	2,254
Hastings.........	Norwood.........	62.41	146	74	12	87	......	319
Oshawa..........	Oshawa..........	226.51	627	2,483	133	229	9	3,481
Peterborough.....	Peterborough.....	143.37	314	1,383	78	239	8	2,022
Peterborough.....	Lakefield.........	122.65	127	150	42	223	2	544
Delta............	Smiths Falls......	245.94	548	473	134	202	5	1,362
Tweed...........	Sulphide.........	100.40	172	167	33	37	......	409
	Madoc...........	67.94	135	56	23	20	......	234
	Marmora.........	10.44	14	3	1	43	......	61
Picton...........	Wellington.......	316.89	971	402	94	162	4	1,633
Winchester.......	Winchester.......	425.87	1,406	617	198	7	16	2,244
Total Eastern	Ontario division....	4,930.54	12,405	13,114	2,294	3,199	125	31,137
Thunder Bay System								
Port Arthur.......	Thunder Bay.....	290.42	602	629	72	194	11	1,508
	Nipigon..........	5,25	13	1	......	......	......	14
Total Thunder	Bay system.......	295.67	615	630	72	194	11	1.522
Northern Ontario	**Properties**							
Matheson........	Connaught.......	62.56	94	137	29	2	3	265
Kagawong........	Manitoulin.......	163.92	216	550	186	61	5	1,018
North Bay.......	North Bay.......	32.18	35	386	18	307	4	750
	Powassan.........	56.68	127	66	14	2	......	209
Sudbury..........	Sudbury..........	38.70	34	1,353	46	110	5	1,548
Total Northern	Ontario Properties.	354.04	506	2,492	293	482	17	3,790

SUMMARY

System	Miles of line	Number of consumers					
		Farm	Hamlet	Commercial	Summer	Power	Total
Southern Ontario							
Niagara division................	12.232.20	41,845	35,113	4.503	8,097	473	90.031
Georgian Bay division...........	3,210.86	6.327	5,059	1.110	7,620	37	20.153
Eastern Ontario division.........	4,930.54	12,405	13,114	2.294	3,199	125	31.137
Thunder Bay......................	295.67	615	630	72	194	11	1,522
Northern Ontario Properties..........	354.04	506	2,492	293	482	17	3.790
Total all systems...............*	21,023.31	61.698	56.408	8.272	19,592	663	*146.633

*These totals include 586 miles of primary line under construction on October 31, 1944, and service to 2,415 new consumers which was not completed at the end of the fiscal year.

NOTE: Included in the total of 61,698 farms are 61,486 regular farms and 212 farms combined with commercial and other services.

SECTION V

PROMOTIONAL AND WAR SERVICES

BECAUSE of war conditions, load building activity, except as directly related to war industry, was not possible during the year. Public relations and educational work received special attention and further studies of Hydro and municipal growth were made in order to lay the foundation for the planning of post-war promotion programmes.

Advertising and publicity were largely of the informative and educational type. A variety of advertisements were published through the medium of 226 papers and provided about 3,000 messages to the public. Assistance was given to Hydro utilities in the preparation of advertising material.

Rural Activities

Early in 1944 following the amalgamation of the rural districts and the adoption of a uniform rural rate structure, a large proportion of the Commission's advertising was used to explain the changes in rural rates and service classifications. Later in the year a pamphlet entitled "Hydro on the Farm" was issued in connection with a special radio broadcast by the National Farm Radio Forum. This broadcast was made over the National network and copies of the pamphlet were sent to members of the Forum in Ontario. A second issue of 20,000 copies was printed to meet popular demand and distributed to agricultural organizations and individuals throughout the Province.

Ontario Schools

A safety poster, prepared in co-operation with the Ontario Safety League, was distributed to all schools in the Province. This was followed by a school book cover for use by the children giving pictorial information about the Hydro system. This school book cover was well received and almost 800,000 were distributed. The use of the Commission's motion pictures for educational purposes was a prominent feature of the 1944 programme in both public and secondary schools. In all this educational work the Hydro utilities and the municipal commissions have been very co-operative.

Industrial Plants

Technical assistance to industrial plants in the effective use of available power was a prominent feature of the year's work. Approximately 200 industries were visited and power surveys made in 30 plants. Recommendations were made resulting in new and interesting applications. The use of Infra-red heating in novel and efficient ways was greatly enlarged.

Enquiries from several firms seeking industrial sites in the Province were received and information on the supply of power and other features were supplied to them. Looking forward to the post-war period a brochure entitled "Electric Power Supply in Strategic Ontario" was prepared and is now being distributed, particularly in Great Britain and the United States. This brochure explains the availability and the widespread use of electrical service in Ontario; it portrays the opportunities for industrial development and indicates the many advantages of Ontario as a place in which to live and work and play.

Motion Pictures

A new 16 mm. sound picture in colour, entitled "The Romance of a River" was produced. This tells the story of the Ogoki diversion and the DeCew Falls development which utilizes in part the additional water made available all down the Great Lakes-St. Lawrence river waterway as a result of the diversion. Although copies of this film were not obtained until rather late in the year it has been shown to a large number of schools and to 170 meetings in various places. In addition, copies of the film were supplied to Canada's armed forces overseas and to Ontario House in London.

Lighting Service

The lighting service of the Commission was in great demand during the year. Three hundred and fifty surveys of schools, offices and industrial premises were made and in a large number of cases the recommendations of the Commission were followed. There is evidence of a greater interest in better lighting in schools and during 1944 the advice of the Commission was requested and given to administrators of more than 200 schools. When equipment becomes more readily available the interest in improved school lighting should prove helpful to educational efficiency and react favourably to Hydro revenues.

Priority Problems

Due to somewhat lessened restrictions and to greater stabilization of methods less difficulty was experienced in procuring materials and equipment and in obtaining necessary permits for extensions. Routine work in connection with permits for gasoline, oil, tires and food rationing for construction camps has been systematized on a satisfactory basis.

SECTION VI

HYDRAULIC ENGINEERING AND CONSTRUCTION

ACTUAL construction of major power projects during 1944 was limited to an extension of the Alexander power development on the Nipigon river. Various items in connection with the completion of the 25-cycle plant at DeCew Falls required attention and the Niagara river remedial weir was finished, work ceasing in September. Surveys were made of undeveloped sites on the Aguasabon and Madawaska rivers, those on the latter river being for the purpose of refining the plans for developments in a comprehensive scheme outlined before the Barrett Chute plant was built.

Renewals, repairs and improvements were carried out on various structures for the co-operative systems and Northern Ontario Properties.

SOUTHERN ONTARIO SYSTEM

DeCew Falls Development

The completion of minor items on the 25-cycle power plant, which came into service in September 1943, required attention and tests and investigations were made in connection with the hydraulic operation of the plant.

The plant draws its water supply from lake Erie, via the Welland ship canal, and this water forms part of that diverted for generation of power under international agreements. It is therefore necessary to measure continuously the diversion of water through the intakes of the plant and to submit the records of diversion to the International Niagara Board of Control. The Department of Transport is also interested because of the conveyance of the diverted water through the ship canal. To obtain these records the new intake, where almost all of the diversion takes place, was equipped with instruments to give a continuous record of flow through each of the six intake tubes, and a summator which automatically records the total flow through all of the tubes in operation at any time. An experimental investigation of the tubes was made, preliminary to their design, by means of a scale model in the Hydraulic Laboratory of the University of Toronto and the actuating elements of the flow recorders were designed on the basis of the indications of the tests on the model. Field measurements by current meter were made in the spring of 1944 in the intake canal to check the accuracy of the flow recorders. These measurements were made by members of the technical staffs of the International Board, the Department of Transport and the Commission and checked satisfactorily the rating of the intake tubes derived from the tests of the model.

Investigations in field and office have proceeded in connection with the enlargement of DeCew Falls plant by the additon of another unit similar in size to the first. This will involve improvement in connecting channels in the reservoir, enlargement of the tailrace channel through Twelve Mile creek and the Second Welland canal to lake Ontario, and revision of road and rail crossings over the new channels. Design of channels and structures is proceeding in order that the second unit when required may be installed without delay.

Protective measures have been taken to cope with the large quantities of weeds that enter the intake of the new plant for a few weeks in the late summer. The weeds grow in the Welland Ship canal and are drawn into the intake in much larger amounts than formerly, because of the increased diversion of water through the intake.

Niagara River Power Plants

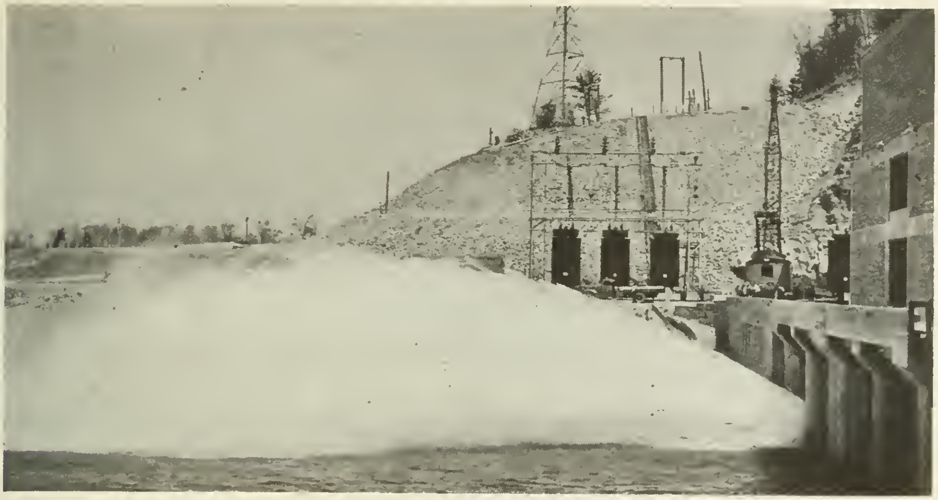
A revision of the rating tables used for computing diversions of water at the Niagara river plants was completed and submitted to the International Niagara Board of Control for approval. The revisions eliminated some minor inconsistencies in the rating tables formerly in use, and presented the ratings in a new form, for use in the control rooms, where records of diversion of water are computed. The tables received the approval of the Board and their use began on November 7, 1944.

Inspections were made of conduits at the Ontario Power plant and the tailrace tunnel at the Toronto Power plant. The tailrace tunnel was found to be in good condition, as also were conduits 2 and 3 at the Ontario Power plant. In No. 1 conduit at the Ontario plant, inspections made more than twenty years ago showed some of the lower plates distorted and repairs were made. Recent inspections having shown a considerable and rapid deterioration in the condition of the plates, an examination of the underside of the pipe is being made by means of a shaft and tunnel, in order to plan remedial measures.

The distributors in four 13,000 horsepower turbines at the Toronto Power plant were redesigned, and the new parts are being installed. The units, in which these changes are now made, are those which came into service when the plant commenced operating more than 35 years ago.

Niagara River Remedial Weir

In October 1943, work on the weir was being pressed vigorously to complete the season's programme before winter. Reference was made in the last Annual Report to changes in design to increase the stability of the component parts of the weir when subjected to the action of large ice floes. The top and upstream surfaces of the weir in the original design were to be faced with smooth uniform slabs of rock to assure free movement of ice over the weir. Inspection and sounding in the summer of 1943 indicated that the smooth facing slabs, not being interlocked with the core of the weir, had a



DECEW FALLS DEVELOPMENT

Howell-Bunger Dispersal Valve—Designed to dissipate the large amount of energy in surplus water bypassed from headpond to tailrace and discharged from lower end of penstock at high pressure

tendency to slide when subjected to pressure from ice floes. Accordingly, in the revised design, large pieces of rock weighing from eight to ten tons in weight were used to form a protective toe along the upstream face of the weir and pieces from five to ten tons were placed where necessary on the surface of the weir.

When the work ceased in January 1944, besides rock placing, soundings had been made over the whole surface of the weir. The records of these soundings were compared with the records of a second complete set made in the early summer of 1944 and this comparison, along with records of water levels, was used to plan the additional work required to bring the weir to completion. During the 1944 season, 2,834 tons of rock were placed in the weir and a very thorough job done on protective riprap along the Canadian shore. The records of water levels indicate that the weir has increased water levels upstream to the extent originally proposed and appreciably improved conditions for generation of power on both sides of the river. It has also increased the flow over the American falls, thereby improving their appearance.

Eastern Ontario Division

Maintenance work on plants in the Eastern Ontario division included the replacement of the wood stave pipe line at the High Falls plant on the Mississippi, and the repair of pitting on the turbine runner at Hanna Chute.

Studies and preliminary layouts were made of developments on the Madawaska river at Claybank and at Mountain Chute. A small survey party has been placed in the field to collect additional data at the sites at Claybank and Stewartville. The general scheme of development on the river was outlined before the Barrett Chute plant was built and the present surveys, which include investigations of subsurface conditions by test pits and collections of records of water level, are for the purpose of improving and refining the general scheme. Some of the upstream sites among those included in the earlier scheme have been surveyed in greater detail.

THUNDER BAY SYSTEM

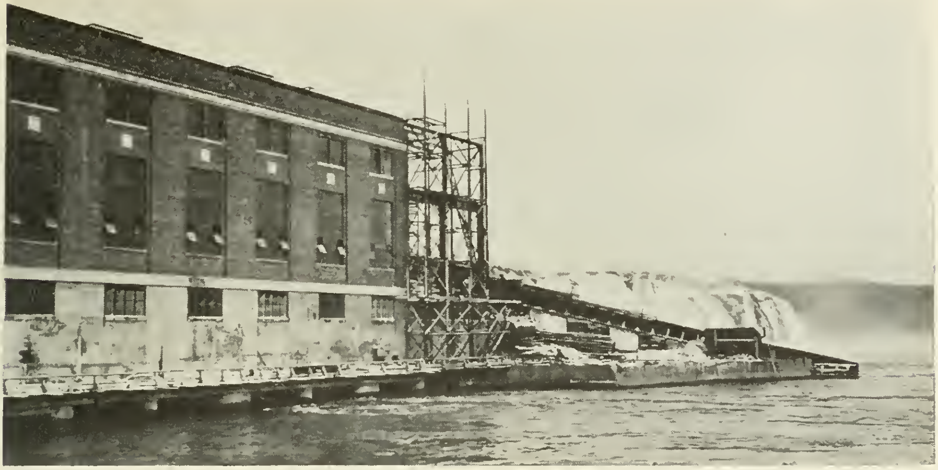
The iron mining project at Steep Rock lake required a supply of power for the pumping plant at the lake and for replacement of power formerly supplied by the Moose Lake Power plant on the Seine river, which had to be taken out of service because of the mining development. Power for mining operations and for equipment at an ore dock at Port Arthur will be required in the future. These new loads in what is now known as the Rainy River district of Northern Ontario Properties are supplied by the Thunder Bay system and have taxed the present capacity of generating sources. It became necessary therefore to increase the capacity of the power plants on the Nipigon river.

When the Alexander development was built it was designed to accommodate four units, of which three were installed. The fourth unit, now being installed, will effect a balance between the Alexander and Cameron Falls plants, in so far as water requirements are concerned. Their generating capacities are, of course, different, as the head at Cameron Falls is greater than at Alexander.

Since these plants were built, a new situation regarding water supply has come into being. Additional supplies have become available by the placing in service of the Ogoki Diversion project in July 1943. The additional water supply available from this source is sufficient to enable the existing plants to be operated at their full capacity at load factors above those which are expected to exist for primary loads.

The Alexander plant, as originally designed, was to have four units, the turbines to be rated at 18,000 horsepower, each under a head of 60 feet. Of these, three were installed and came into service toward the end of 1930. The headworks for the fourth unit were built at the same time and completion of the plant involved only a minor amount of dewatering to permit the excavation for the substructure and the construction of the draft tube.

The Ogoki diversion increased the water available for generation of power on the Nipigon river by about fifty per cent. The present installation and the current extension of the Alexander plant are of sufficient size to use the increased water supply, but only at a very high load factor and there is justification for further extensions at Cameron Falls and Alexander to increase the capacities of these plants to a size much greater than projected in the original designs. This is taken into consideration to a certain degree by the choice of a fourth unit at Alexander larger in size than the three existing units. The new turbine is of the fixed blade propellor type, rated at 19,000 horsepower, under a head of 58 feet, at 150 revolutions per minute. The setting will be similar to that of the existing units, the headworks, already built, being identical in most respects. Minor changes in the substructure from the original design have been made to provide for the difference in type and capacity of the new turbine which requires that it be set four feet lower than the others.



ALEXANDER POWER DEVELOPMENT—NIPIGON RIVER

Cofferdam and temporary housing for installation of unit No. 4. Log chute and discharge from spillway in background

Active construction of the extension commenced in March 1944. The tailbay cofferdam was completed and dewatering commenced in May. Excavation was completed by August and the substructure was approaching completion at the end of the fiscal year. The unit is expected to be ready to carry load in October 1945.

Aguasabon River Survey

A survey was made on the power site near the mouth of the Aguasabon river about sixty miles east of the Nipigon river. The water diverted from the Kenogami river, through the Long lake control dam, passes down the Aguasabon river to lake Superior. This diverted water enhances the value of the power site near the mouth of the river, giving the site a potential capacity of about 20,000 horsepower. A development here, connected by transmission lines to the Nipigon river plants, would be in a strategic position to supply power to prospective customers in the area, or alternatively could add to the resources of the Thunder Bay system for use in other parts of the district.

The power site on the river is near its outlet into lake Superior where, in a distance of about a mile, there is a fall of about 225 feet through a series of cascades and rapids.

While the complete development of the site at the full head is feasible, there are locations available for a partial development at moderate cost to supply local needs. Such a development would, of course, be replaced by the full head development, when the requirements of local or system loads demanded it.

A survey party was placed in the field in the summer of 1944 and collected topographic and hydraulic data and also investigated rock elevations by boring on sites of proposed structures. Work is proceeding on plotting the results of the survey and studies of layouts.

Black Sturgeon Dam

The maintenance of high storage levels on lake Nipigon for a greater percentage of time and the proposal to use the upper part of the permissible range of storage provided for in the original license of occupation made it desirable to improve the Black Sturgeon dam at the south end of lake Nipigon. This dam closes a low contour between the lake and the headwaters of the Black Sturgeon river, the natural ground level being slightly lower than maximum storage level. Reconstruction of the dam involved stripping at the base of the old dam to a sound boulder foundation, raising and widening the fill to increase the stability of the structure, extending the dam laterally to meet higher contours and placing riprap on the face.

Long Lake and Ogoki Diversions

These diversions are related to both the Southern Ontario and Thunder Bay systems. A rating of the outflow at the Long lake control dam was carried out by the Dominion Water and Power Bureau, assisted by members of the Commission's staff, in June, 1944. The ratings are made by current meter and, due to log driving during the summer and fall, only brief periods are available for rating measurements. Stage-discharge relations have been developed for the main sluice channel and the log sluice and from these, continuous records of discharge are secured for transmission to the International Niagara Board of Control.

The ratings made in June indicated that the stage-discharge relations have become stabilized and only minor changes in the rating curves were necessary.

Partial ratings were also made at a point some miles downstream from the control dam on the Ogoki project. A metering station has been established and other provision made for the current meter measurement. In the meantime, records of diversion are computed from readings of water levels at the control dam.

HYDRAULIC INVESTIGATIONS

A review of stage-discharge relations on the St. Lawrence river was continued.

Routine work carried on included the collection of hydrometric data throughout the Province in co-operation with Dominion Government departments, the supervision of operation of storage basins, assistance to municipalities on special engineering problems and co-operation with public and private organizations.

SECTION VII

ELECTRICAL ENGINEERING AND CONSTRUCTION

As in preceding war years, construction work was governed by the requirements of the war economy.

In general, the programme of new generation, high-voltage transmission, and transformation, to provide increased power supplies for war industry, was largely completed in the earlier years of the war. In 1944 the main provision for increased generating capacity was in the Thunder Bay system, where work is now proceeding on the installation of a fourth unit at Alexander.

The immediate problem has been the effective distribution of available power supplies to accommodate the changing demands for war activities, and, at the same time, meet essential civilian power requirements. This has involved much planning and many undertakings, successfully carried out under conditions made more difficult by the shortage of both labour and materials, and with a limited engineering staff.

Extensive studies relating to supplies of power in the post-war era have been continued, in order that extensions and rehabilitations in all areas served can be made in an orderly manner, to dovetail into what may be called a master plan. The studies include various possibilities of load growth in the next ten to fifteen years, and have been facilitated by a maximum use of the Commission's network calculator.

As part of the plan already taking form it was decided to install at Essex transformer station a 40,000-kva synchronous condenser which was purchased at the same time as the two synchronous condensers installed at Burlington transformer station, and work on this project is in hand.

Several communication circuits, especially in the important Toronto-Burlington-Niagara Falls area have been improved to facilitate the operation of carrier channels. Terminal equipment for the telemetering of power outputs at the Niagara river plants to a new power supervisors' office in the Administration building at Toronto is being installed. This telemetering service will be extended to enable the power supervisors to make the best use of available power.

At the end of this section is given a tabulation of the transformer and distributing stations where major increases in transformer capacity were put into service. Similar increases in capacity are being made at a number of other stations. In most cases, alterations or additions to station structures, switching, metering, and station protection have been involved. In some cases, temporary arrangements for the delivery of additional power were necessary.

Some six miles of new 26,400-volt and 44,000-volt transmission lines were constructed and placed in service, and approximately seven miles of existing lines were rebuilt or relocated. One hundred and twelve miles of obsolete transmission circuits were removed with, in some cases, their supporting structures. Four hundred and seventy-six steel towers, erected in 1910 and 1911, were taken down and largely sold for remelting.

In selected cases, where it appeared that the service given would be most useful in food production, distribution lines in rural power districts have been extended, and transformers added to existing lines. The extent of the work was limited by the control of essential materials and scarcity of labour. A summary at the end of this section shows the mileage of lines built, and the number of consumers served.

Engineering and other assistance was rendered to several municipalities, large power customers, and war industries, in connection with the purchase and installation of new equipment, changes and additions to existing stations, and the design and construction of new stations.

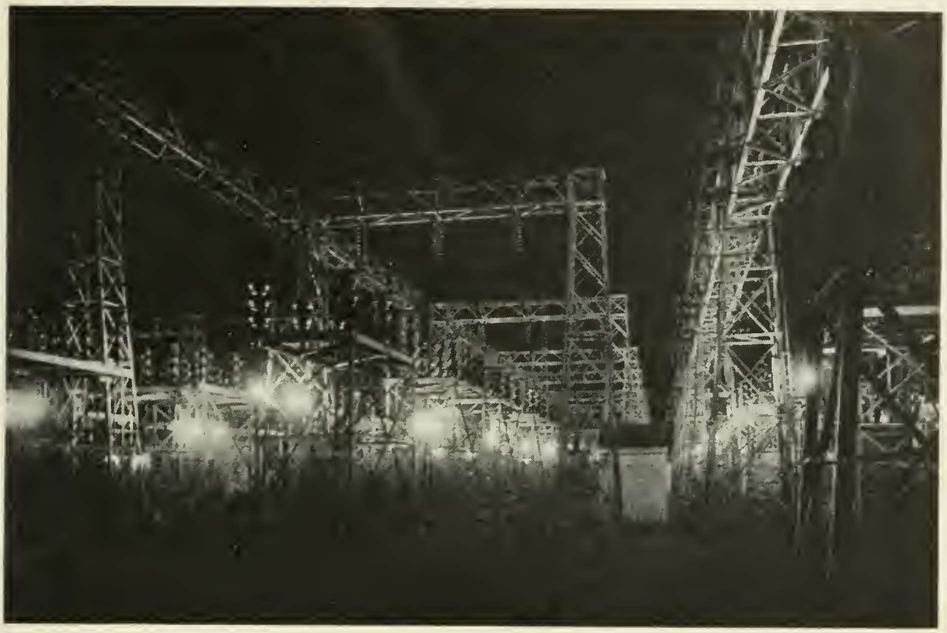
The Inspection department received assistance in connection with the approval, under the statute, of electrical installations over 600 volts.

Miscellaneous work in hand includes the construction of an office building at Stoney Creek, for the Saltfleet rural power district; and alterations to a purchased building at Sudbury, for the Sudbury rural power district. Partly as a fuel conservation measure, a number of the older type operators' and patrolmen's houses in various parts of the Province have been insulated against loss of heat. Many of these houses are in isolated areas and subject to extreme climatic conditions.

In addition to the work detailed below, a number of relay, switching and metering changes were made, to improve service security, and promote more efficient use of power.

SOUTHERN ONTARIO SYSTEM

The first 40,000-kva synchronous condenser at Burlington transformer station was placed in service on January 17,1944, and the second on April 17, 1944. The permanent control building was placed in service during September, 1944. The service building, completion of which was delayed due to war conditions, has been reinstated on the construction programme, and will be completed during 1945. The third 40,000-kva synchronous condenser, purchased at the same time as the above two condensers, and the manufacture of which is now nearing completion, is to be installed at Essex transformer station, as described in the following paragraph.



BURLINGTON TRANSFORMER STATION

Night view of 110,000-volt switchyard photographed by switchyard lighting only. The lighting units are designed to facilitate night inspection of overhead equipment without unwanted light in observer's eyes

In order to improve voltage conditions in the western area of the Niagara division, and at the same time provide for more efficient transmission of power to this area, authorization has been given and plans are being prepared for the installation of a 40,000-kva, 13,200-volt horizontal synchronous condenser, with automatic starting and control equipment, at Essex transformer station. This necessitates the stepping down of the bus voltage from 26,400 to 13,200 volts; and two 20,000-kva 3-phase transformers were purchased for this purpose. The plans provide for the replacement of the indoor portion of the 26,400-volt bus and switching equipment by modern outdoor equipment in order to remove service hazards associated with existing indoor equipment, and for the installation of a new control room in the space made available by the removal of the 26,400-volt indoor equipment.

The transfer of the municipal and industrial loads in the Welland area from the 46,000-volt supply out of Niagara transformer station to the 26,400-volt feeders out of Crowland and Atlas Steel transformer stations, which was started in 1943, was completed during the year. The three remaining 46,000-volt transformer banks at Niagara transformer station were disposed of, completing the removal of the four banks mentioned in last year's report. The removal of these transformer banks makes possible much needed improvements to this 30-year old station, which will eliminate operating hazards and provide better service conditions. Work to this end is now in progress, comprising in general the rearrangement of the 12,000-volt switching equip-

BURLINGTON TRANSFORMER STATION
Control building from southwest

ment, the provision of a new control room and switchboard, the moving outdoors of the station service transformers, and otherwise modernizing the station service facilities.

Due to the growth of the interconnected capacity on the system, the 13,200-volt oil circuit-breakers at Preston transformer station, and the 44,000-volt breakers at Heely Falls and Seymour generating stations were replaced with breakers of higher interrupting capacity. The breakers at Seymour generating station were placed outdoors, and a switching structure installed. At a number of other stations 110,000-volt oil circuit-breakers were either replaced, or the interrupting capacity increased by equipping them with modern interrupting devices.

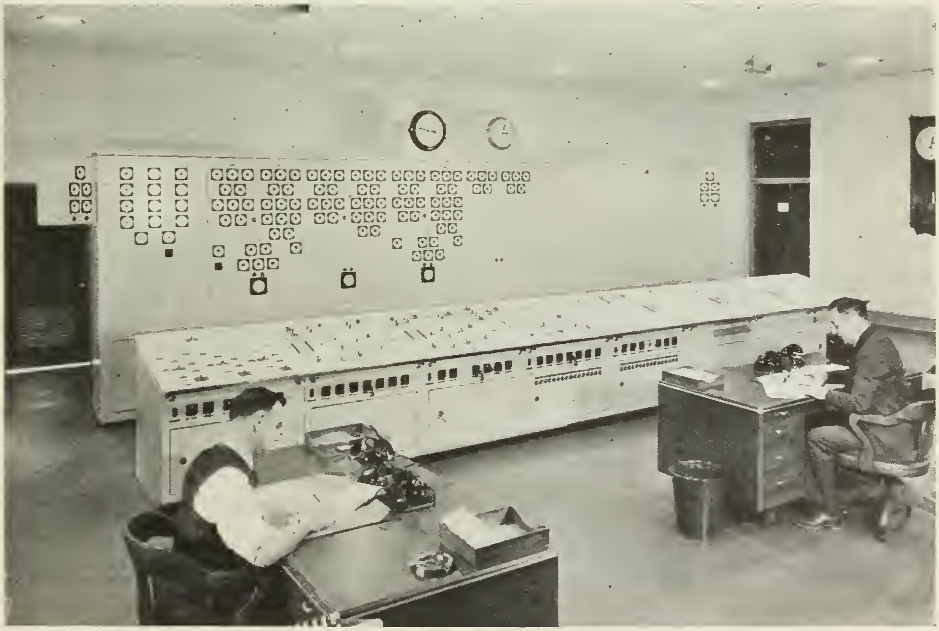
Increases in station capacity are under way at Aldershot, Bowmanville, Consecon, Cookstown, Dublin, Midhurst, Milverton, Willowdale, Winchester and Woodbridge distributing stations; and at the stations supplying Canada Cement Company (Belleville, Lehigh), and Howard Smith Paper Mills. The capacity of Perth rural station is being increased, and this station will supply customers formerly fed from Balderson distributing station, which is to be dismantled.

New step-down stations were completed for the Department of Munitions and Supply at de Havilland Aircraft of Canada, Ltd., (supplementing the power supplied through the original station), and at Malton. The permanent 2,000-kva stand-by station constructed for the Polymer Corporation at Sarnia was placed in service on February 6, 1944, and the temporary station supplying power for construction purposes was dismantled. A new 600-kva, 26,400/4,000-volt outdoor distributing station is under construction at

Oakville, and will be in service in November, 1944. A new distributing station was constructed at Tweed, for the supply of power to the south-western portion of Sulphide rural power district.

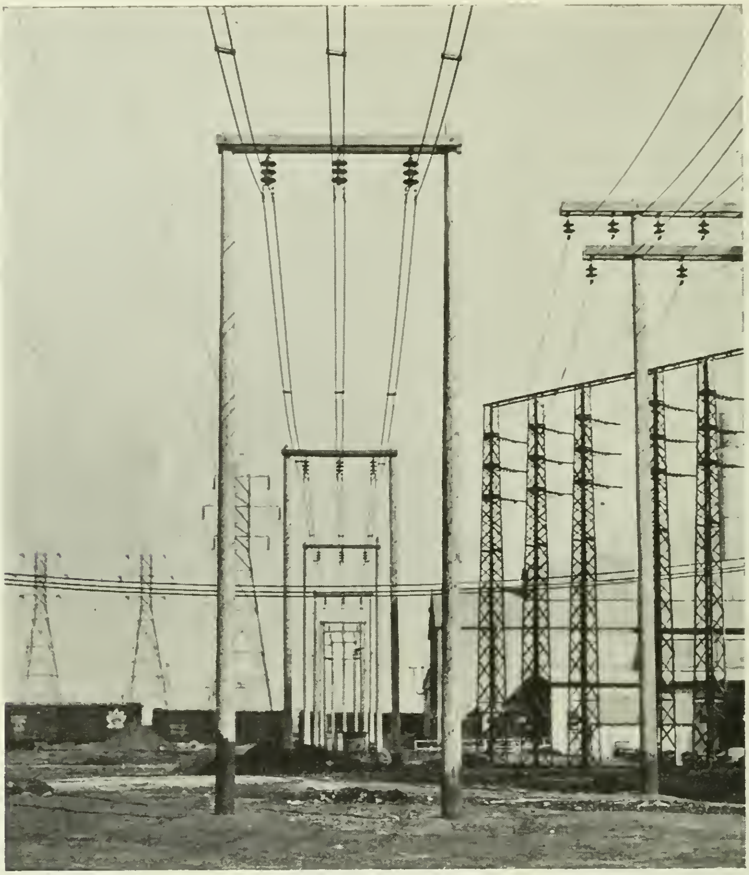
Plans have been prepared, and the transformer purchased, for the construction of a 1,000-kva, 44,000/2,400-volt distributing station for the town of Almonte, to be initially operated at 750 kva, 33,000/2,400-volts. This town operates its own generating plant, but, to obtain additional power, has recently contracted for the purchase of power. Preliminary engineering work was done for the supply of power to the town of Renfrew, which also operates its own generating plants, but is planning to take power from the Commission; and for a proposed new sub-station for the Belleville Hydro-Electric System.

Engineering assistance, commenced in 1942, in connection with the construction of the Kingston Public Utilities Commission's new 6,000-kva, 44,000/2,400-volt municipal station No. 2, was completed. Engineering assistance was rendered to the Hespeler Hydro-Electric Commission in connection with the construction of a new 1,500-kva, 13,200/4,000-volt step-down station; and to the Peterborough Utilities Commission, in connection with proposed high and low-voltage switching changes in its municipal sub-station, to supply 44,000-volt power to a new 3,000-kva sub-station



BURLINGTON TRANSFORMER STATION—CONTROL ROOM

From this room embodying latest improvements is controlled the 220,000- and 110,000-volt power supplied to a large area of southwestern Ontario. The built-in lighting system gives adequate illumination on instrument board and control desks with a minimum of glare and shadows



HEAVY DISTRIBUTION SERVICE TO NORTH AMERICAN CYANAMID LIMITED

A 12,000-volt, 3-phase circuit, each phase having two 500,000 circular mil stranded copper conductors in parallel. At right a ninety-degree angle structure made from salvaged 46,000-volt towers supporting six 12,000-volt, 3-phase circuits of 500,000 circular mil stranded copper conductor

being erected by a large power consumer. Rehabilitation work and station changes were carried out at Oakville municipal station for the Oakville Water and Light Commission.

An investigation was made of the properties of the Caledon Electric Company, and of the arrangements which would be necessary for the supply of power to the company's customers in the event of its properties being purchased by the Commission.

Additional 13,200-volt feeder and switching equipment was installed at Hamilton-Gage transformer station, to supply Dominion Foundries and Steel Company.

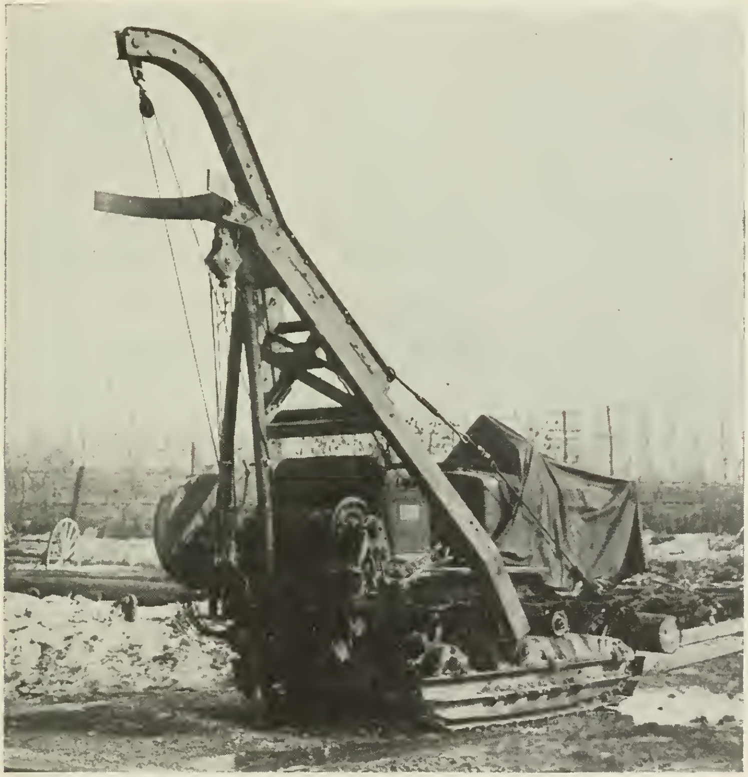
Ground reactors are being installed at Port Colborne transformer station and Welland distributing station to improve the station relay protection. Work is proceeding on the installation of a grounding transformer at Lindsay distributing station to effect a balance of voltages and relieve interference with communication circuits.

To provide for the transfer of the district operating centre from London transformer station to St. Thomas transformer station, facilities added at the latter station include an extension to the control room and the installation of carrier telephone terminal equipment.

Following a fire on January 5, 1944, at Youngs Point generating station, this station was dismantled.

THUNDER BAY SYSTEM

Work is proceeding on the installation of a fourth unit at Alexander generating station, in an extension to the building. The generator will have a capacity of 15,000 kva, and is scheduled to be in service during the fall of 1945. Like the first three units, this fourth unit will be controlled from Cameron Falls generating station.



TRACTOR EQUIPPED FOR POLE REMOVALS

The crane and equipment attached to tractor were designed and built by the Commission's construction department largely from salvaged materials. In addition to its primary purpose this machine is in frequent use for loading and unloading poles, reels of cable, large distribution transformers and other heavy materials and equipment

Work has been commenced on the construction for the Brompton Pulp and Paper Company of a temporary 600-kva, 2,300/22,000-volt step-up station at the customer's Nipigon mill, and on a temporary 22,000/2,300-volt step-down station of similar capacity at the customer's Red Rock mill. By the use of an existing transmission line, these stations will supply construction power to the customer's Red Rock mill. The stations will be in service early in December, 1944.

Arrangements have been made for the installation of a 110,000-volt bus-tie breaker at Port Arthur transformer station. The work is expected to be completed early in 1945, and will enable maintenance work to be done on the other oil circuit-breakers without interruptions to service.

The capacity of Port Arthur distributing station is being increased by the installation of a 200-kva, 22,000/6,900-volt transformer. The bank of three 150-kva transformers at Rosslyn distributing station is being replaced by a bank of three 333-kva transformers, increasing the station capacity by 550 kva.

NORTHERN ONTARIO PROPERTIES

Abitibi District

A 26,400-volt feeder was constructed between Timmins transformer station and the new receiving station of Hollinger Consolidated Gold Mines.

Nipissing District

At Nipissing generating station a rearrangement of switching equipment and relocation of switchboard are being made to improve operating security.

Patricia District

A 100-kva, single-phase, 44,000/2,400-volt transformer was installed at Gold Eagle Gold Mines station for the supply of power to Cottage Cove townsite. This townsite was formerly supplied through one of the company's transformers; these have been removed due to the closing down of the mine.

Rainy River District

The 110,000-volt wood-pole transmission line between Rainy River switching station at Port Arthur and Moose Lake switching station, and the two new switching stations, were placed in service on November 28, 1943, initiating the supply of power to Steep Rock Iron Mines, Ltd., and also to the Ontario-Minnesota Pulp and Paper Company, Ltd., to replace output from the company's Moose Lake generating station. The converted generators at the company's plant, put out of commission by the diversion of Seine river, were placed in service as synchronous condensers on February 23, 1944. To provide adequate facilities for patrolling the transmission line, which runs through sparsely settled country, five patrolmen's houses are being constructed.

A new 450-kva, 44,000/8,000-volt distributing station is being constructed at Steep Rock Iron Mines for the supply of power to Atikokan townsite. The station is expected to be in service early in 1945.

TRANSFORMER CHANGES COMPLETED DURING YEAR ENDED OCTOBER 31, 1944

Installed transformers							Removed transformers.		
Station	No	kva	Ph.	Total kva	From	In Service	No.	kva	To
Southern Ontario System									
Bradford D.S.	3	200	1	600	Reserve	Oct. 29, '44	3	100	Reserve
Cameron R.S.						July 5, '44	1	50	Reserve
Chesterville D.S.	1	300	3	300	Reserve	Sep. 17, '44	1	300	Reserve
de Havilland D.M.S.	3	333	1	1,000	Reserve	Feb. 27, '44			
Fenelon Falls G.S.						Nov. 1, '43	3	135	Salvage
Hall R.S.						July 5, '44	1	25	Salvage
Innisfil D.S.	3	333	1	1,000	Reserve	June14, '44	3	250	Southampton D.S.
Kincardine D.S.	3	75	1	225	Wingham R.S.	June29, '44	3	50	Walkerton R.S.
Malton D.M.S.	3	100	1	300	New	Sep. 2, '44			
Millbrook D.S.	1	100	1	100	Reserve	June 9, '44			
Napanee R.S.	3	667	1	2,000	Reserve	Oct. 18, '44	3	250	Reserve
New Toronto D.S.	1	1.500	3	1,500	Reserve	Oct. 15, '44			
New Toronto D.S.	1	1,500	3	1,500	Willowdale D.S.	Oct. 15, '44			
Niagara T.S.						Aug.30, '44	7	3,500	Sold–Holl'g'r. Gold Mines
Niagara T.S.						June21, '44	3	2,400	Salvage
Port Perry D.S.	1	300	3	300	Reserve	Sep. 10, '44	1	300	Reserve
St. Marys T.S.	1	1,250	1	1,250	Reserve	Feb. 13, '44	2	750	Salvage
St. Thomas T.S.	1	1,250	1	1,250	Reserve	Sep. 22, '44	1	1,250	Salvage
Sarnia Beach R.S.	3	200	1	600	Reserve	Aug.26, '44			
Southampton D.S.	3	250	1	750	Innisfil D.S.	Sep. 12, '44	3	150	WinghamR.S.
Thornton D.S.	1	75	3	75	Reserve	Nov.11, '43	1	50	Reserve
Tweed D.S.	1	100	1	100	Reserve	May 7, '44			
Victoria Harbour D.S.	1	100	1	100	Reserve	Aug.29, '44			
Walkerton R.S.	3	50	1	150	Kincardine D.S.	Aug.20, '44			
Willowdale D.S.	3	*667	1	2,000	Reserve	June14, '44	1	1,500	New Toronto D.S.
Wingham R.S.	3	150	1	450	Southampton D.S.	June25, '44	3	75	Kincardine D.S.
Youngs Point G.S.						Jan. 5, '44	3	135	Salvage
Youngs Point G.S.						Jan. 5, '44	1	500	Salvage
Northern Ontario Properties Patricia District									
Cottage Cove D.S.	1	100	1	100	Reserve	Sept. 7, '44			

* Three 667 kva installed temporarily, proposed installation of two 1,000 kva.

TOTAL MILEAGE OF TRANSMISSION LINES AND CIRCUITS

Structure and voltage	Kind of strucures	Line route or structure miles			Circuit miles
		Total to Oct. 31, 1943	Additions 1944	Total to Oct. 31, 1944	Total to Oct. 31, 1944
Southern Ontario System					
NIAGARA DIVISION					
220,000-volt	steel	1,025.12	....	1,025.12	1,069.97
110,000-volt	"	862.38	*50.16	812.22	1,400.95
110,000-volt	wood	81.84	30.14	111.98	113.81
90,000-volt‡	steel	65.85	....	65.85	120.81
60,000-volt‡	"	35.23	....	35.23	35.57
60,000-volt	wood	3.03	....	3.03	3.03
46,000-volt	steel	15.93	*15.93	....	....
46,000-volt	wood	0.36	*0.36	....	....
26,400-volt	"	877.39	0.77	878.16	1,051.98
13,200-volt	"	252.97	*0.17	252.80	318.00
13,200-volt	steel	0.82	....	0.82	1.64
12,000-volt	wood	72.36	0.03	72.39	91.26
Dominion Power district—44,000-volt	steel	34.97	....	34.97	69.94
Dominion Power district—44,000-volt	wood	44.66	*4.98	39.68	39.68
Dominion Power district—22,000-volt	"	28.54	*0.52	28.02	28.02
Dominion Power district—10,000-volt	"	14.40	....	14.40	14.40
GEORGIAN BAY DIVISION					
110,000-volt	wood	55.83	*30.14	25.69	25.69
38,000-volt	"	223.42	....	223.42	250.92
6,600-volt	"	2.30	....	2.30	2.30
Severn district—22,000-volt	"	109.74	0.42	110.16	134.46
Eugenia district—38,000-volt and less	"	242.08	*10.54	231.54	297.93
Wasdell district—22,000-volt	"	82.12	....	82.12	83.46
Muskoka district—38,000-volt	"	26.31	....	26.31	26.31
EASTERN ONTARIO DIVISION					
110,000-volt	steel	163.23	....	163.23	166.54
110,000-volt	wood	280.14	....	280.14	280.14
44,000-volt	"	24.33	....	24.33	24.33
33,000-volt	"	42.26	....	42.26	47.94
Central district—44,000-volt and less	wood	503.64	*1.18	502.46	540.69
St. Lawrence district—44,000-volt	"	128.29	....	128.29	128.67
Rideau district—26,400-volt	"	62.51	*0.03	62.48	62.48
Madawaska district-33,000-volt and less	"	59.10	....	59.10	59.10
Thunder Bay System					
110,000-volt	steel	82.12	....	82.12	164.28
110,000-volt	wood	178.21	....	178.21	178.21
44,000-volt	"	113.81	....	113.81	113.81
22,000-volt	"	8.05	....	8.05	8.05
12,000-volt	"	1.45	....	1.45	1.45
Northern Ontario Properties					
Abitibi district—132,000-volt	steel	362.74	....	362.74	725.48
Abitibi district—132,000-volt	wood	190.19	....	190.19	190.19
Abitibi district—33,000-volt and less	"	150.12	1.23	151.35	152.36
Sudbury district—110,000-volt	"	46.23	....	46.23	46.23
Sudbury district—22,000-volt	"	61.57	....	61.57	61.57
Nipissing district—22,000-volt	"	63.16	....	63.16	80.04
Patricia district—44,000-volt	"	343.59	....	343.59	343.59
Patricia district—22,000-volt	"	32.65	0.11	32.76	32.89
Rainy River district—110,000-volt	"	....	119.81	119.81	119.81
Totals		7,055.04	†38.50	7,093.54	8,707.98

*Removals. †Net increase. ‡Former T. & N. P. Co. circuits are now used at various voltages ranging from 4,000 volts to 110,000 volts.

NOTE: Circuit miles of 220,000-volt line, in the province of Quebec, connected to H-E.P.C. lines = 103.45. Total 220,000-volt system interconnected circuit miles = 1,173.42.

TRANSMISSION LINE CHANGES AND ADDITIONS MADE DURING YEAR ENDED OCTOBER 31, 1944

SOUTHERN ONTARIO SYSTEM

HIGH-VOLTAGE LINES

A 110,000-volt circuit was removed from 2.55 miles of the double-circuit, steel-tower line, Burlington junction to Halton junction.

A 110,000-volt circuit was removed from the double-circuit, steel-tower line, Pelham junction 22.58 miles to Saltfleet junction.

Six towers were removed from the 110,000-volt, steel-tower line "A", Niagara transformer station to Allanburg junction.

Four hundred and thirty-four towers were removed from the 110,000-volt, steel-tower line "A", Allanburg junction to Dundas transformer station.

Two towers were removed from the 110,000-volt, steel-tower line, Queenston Forebay structure to Vanessa junction.

Seven towers were removed from the 110,000-volt, steel-tower line, Wentworth junction 0.75 mile to Nelson junction.

Twenty-six towers were removed from the 110,000-volt, steel-tower line "B", Nelson junction 2.60 miles to Halton junction.

LOW-VOLTAGE LINES

Niagara Division

Niagara District:—The 12,000-volt line from Virgil junction 3.13 miles to Niagara-on-the-Lake was rebuilt and restrung for 1.82 miles.

Two 46,000-volt circuits were removed from the four-circuit, steel-tower line, Southworth junction 1.99 miles to the Union Carbide Company. The third circuit was removed from 1.75 miles and the fourth circuit from 0.66 mile.

Four 46,000-volt circuits were removed from the four-circuit, steel-tower line, Niagara transformer station 13.94 miles to Southworth junction.

Dundas District:—The 26,400-volt line from Ryckman distributing station to Caledonia distributing station was relocated for 0.63 mile.

Preston District:—A 13,200-volt tap line was built 50 feet to a new Hespeler municipal station.

Brant District:—The 26,400-volt line, Norfolk transformer station to the Lake Erie and Northern Railway station, was extended 80 feet to a new station.

Kent District:—Ten poles were relocated in the 26,400-volt line from Prince Albert junction to Como junction.

Essex District:—The 26,400-volt circuit from Essex transformer station 3.44 miles to Riverside junction, was replaced by a new wood-pole line 3.67 miles in length.

The 26,400-volt circuit from Riverside junction 5.94 miles to Puce junction was removed.

York District:—A 26,400-volt tap line was built 435 feet to a new Department of Munitions and Supply (Malton) station for that customer.

St. Clair District:—The 26,400-volt line from Indian Road junction to Polymer Corporation was placed in service at 26,400 volts for that customer.

Toronto and Fairbank Districts:—The 26,400-volt lines supplying township stations, totalling 8.24 miles, were sold to York Township Hydro-Electric System.

Crowland District:—A 26,400-volt line was built from Crowland transformer station 0.53 mile to Dain Avenue junction.

The 26,400-volt line from Crowland transformer station 0.55 mile to Dain Avenue junction was restrung and incorporated in the section from Crowland transformer station to Union Carbide junction.

Allanburg District:—The 12,000-volt line from Allanburg transformer station to Beaver Wood Fibre junction was rebuilt for 0.34 mile.

The 12,000-volt line from Welland Canal junction 1.13 miles to Port Robinson distributing station was rebuilt.

Niagara-Dominion District:—Sections of 44,000-volt lines, totalling 0.38 mile were built and connected to an idle 60,000-volt circuit on steel towers between Ship Canal junction and Niagara Falls (C.N.P.) frequency-changer station, replacing 5.36 miles of 44,000-volt line which was removed.

The 10,000-volt line from Victoria station to the Canada Crushed Stone Company was rebuilt for 0.67 mile.

The 22,000-volt line from Plymouth junction 0.28 mile to Beatty Welland distributing station was rebuilt.

Georgian Bay Division

EUGENIA DISTRICT:—The 22,000-volt circuit and insulators were removed from the wood-pole line, Harriston distributing station 10.54 miles to Mount Forest frequency-changer station.

SEVERN DISTRICT:—The 22,000-volt line from Tottenham junction to Beeton junction was relocated for 1.43 miles.

Eastern Ontario Division

CENTRAL DISTRICT:—One mile of ground cable was erected on terminal portions of the 11,000-volt line, Fenelon Falls generating station to Lindsay distributing station.

A portion of ground cable, 10.13 miles in length, was removed from the 44,000-volt line, Sidney transformer station to Brighton distributing station.

A portion of ground cable, 6.73 miles in length, was removed from the 44,000-volt line, Brighton distributing station to Colborne distributing station.

A portion of ground cable, 14.40 miles in length, was removed from the 44,000-volt line, Colborne distributing station to Cobourg distributing station.

A portion of ground cable, 4.56 miles in length, was removed from the 44,000-volt line, Cobourg distributing station to Port Hope distributing station.

NORTHERN ONTARIO PROPERTIES

ABITIBI DISTRICT:—A 26,400-volt line was built from Timmins transformer station 1.24 miles to Hollinger Consolidated Gold Mines station.

PATRICIA DISTRICT:—A section of 22,000-volt line was built from Pickle Crow Gold Mines station 0.11 mile to establish a connection to their Albany-Winoga station.

RAINY RIVER DISTRICT:—A 110,000-volt, wood-pole line was completed from Rainy River switching station 119.81 miles to Moose Lake switching station.

COMMUNICATIONS—ALL SYSTEMS

SOUTHERN ONTARIO SYSTEM

A new telephone circuit was installed a distance of 13.9 miles from Cooksville transformer station to Toronto-Strachan transformer station.

In the existing lead-covered underground telephone cable between Toronto-Bridgman transformer station and the Administration Building on University Avenue, additional loading coils were installed to facilitate operation of increased communication circuit requirements in the Toronto area.

Between Kent transformer station and Essex transformer station, a portion of the two-circuit telephone line 29 miles in length was removed and one leased circuit substituted for an equivalent distance.

A single telephone circuit 3.45 miles long was erected on 26,400-volt transmission line poles from Essex transformer station to Riverside junction.

Carrier terminals were installed for the operation of a voice channel over the existing physical circuits between Toronto-Wiltshire transformer station and Niagara transformer station to provide additional telephone facilities for power supervision.

A lead-covered telephone cable was erected for a distance of 0.45 miles from the 66-cycle DeCew Falls generating station to the 25-cycle generating station to provide intercommunication facilities between these two stations.

A lead-covered telephone cable was erected from the 66-cycle DeCew Falls generating station a distance of 0.24 miles to the operators' colony at Power Glen.

A single-circuit communication line was erected for a distance of 1.8 miles from the 66-cycle DeCew Falls generating station to Lake Gibson for the operation of water-gauge levels.

The single telephone circuit carried on 12,000-volt transmission line poles was rehabilitated a distance of 1.6 miles from Virgil junction to Niagara-on-the-Lake municipal station.

In the Ottawa area, power line carrier antennae extensions were added at Merivale junction to improve operation of the power line carrier channels between Ottawa, Masson and Cornwall.

Telephone line carrier equipment was installed at Val Tetreau switching station and Bryson generating station to provide for the operation of frequency control and telemetering channels between these points and to Chats Falls generating station.

NORTHERN ONTARIO PROPERTIES

Rainy River District:—The single-circuit telephone line between Port Arthur transformer station and Moose Lake switching station, which was reported 75 per cent completed in 1943, is now in service.

DISTRIBUTION LINES AND SYSTEMS IN RURAL POWER DISTRICTS

The following summary shows the mileage of distribution lines constructed by the Commission in rural power districts and the number of consumers served.

The summary indicates a total net increase in construction during the year of 350 miles of new primary line completed and giving service to 8,054 additional consumers.

SUMMARY OF CONSTRUCTION IN RURAL POWER DISTRICTS

System and district	At October 31, 1943		At October 31, 1944					
	Miles of primary line constructed	Number of consumers receiving service	Miles of primary line			Number of consumers		
			Constructed	Under construction or authorized	Total	Receiving service	Authorized	Total
Southern Ontario System								
Niagara division....	11,764	84,085	11,953	280	12,233	88,823	1,208	90,031
Georgian Bay division...........	3,066	18,618	3,093	118	3,211	19,768	385	20,153
Eastern Ontario division.........	4,636	28,520	4,762	169	4,931	30,420	717	31,137
Thunder Bay System	289	1,425	290	5	295	1,506	16	1,522
Northern Ontario Properties								
Abitibi district.....	53	244	57	5	62	253	12	265
Sudbury district....	29	1,399	31	7	38	1,477	71	1,548
Nipissing district...	88	913	89	0	89	959	0	959
Manitoulin district.	162	960	162	2	164	1,012	6	1,018
Totals..........	20,087	136,164	20,437	586	21,023	144,218	2,415	146,633

SECTION VIII

RESEARCH—TESTING—INSPECTION

PRODUCTION AND SERVICE

THE Laboratories continued to assist in the war programme by research studies, investigation, inspection and testing of materials and equipment for the Canadian government and the armed services. Research also was carried on with regard to important problems of operation of the Commission's systems, including investigations of electrical insulation and the safety of farm wiring, conductor materials and joints, radio interference, preservation of wooden and concrete structures, paints and other protective coatings, insulating and lubricating oils, domestic water heating, cold storage for farms and distribution of light in school classrooms.

Factory inspection and witness testing has included large rotating equipment for the Commission's power systems, the checking of parts before assembly being an essential part of this work.

The Approvals laboratory, functioning as agent of the Canadian Standards Association, has co-operated with the Electrical Inspection department in testing domestic and other appliances and fittings to ensure as far as possible safety in homes and factories.

The Production and Service department has continued operation of the Commission's machine shop and garage, and the maintenance of the large fleet of trucks, the volume of work having increased appreciably during the year.

RESEARCH AND TESTING LABORATORIES

Research

The activity of the Laboratories in research problems of the Commission increased in certain branches, and some investigations are extended to the field where actual operating conditions are studied. Municipal Hydro utilities are given assistance with their local problems.

Electrical Insulation

A large amount of work was done for the inspection boards of Army, Navy and Air departments, for the Department of Munitions and Supply and for manufacturers on the insulation of assembled apparatus under extreme conditions of high and low temperature and humidity.

Investigation of the conditions of insulation of farm wiring led to discussion as to the best means of supplying rural consumers. As a result changes in materials or circuits may be suggested to increase safety of farm personnel and animals.

Several cases of breakdown in buried cable were investigated and new methods of detecting faults were studied.

Lightning current recorders were installed at Burlington transformer station for the purpose of studying lightning conditions.

Vibration of Line Conductors

For many years investigations concerned with the suppression of vibrations in transmission line conductors have been carried on. This work has now resolved itself into studies of the endurance characteristics of conductor materials and certain connector assemblies. In 1944, fatigue tests were made on rural tie lines.

A report covering the fatigue properties of galvanized steel wire was prepared as a basis for ensuring high quality wire for ground cables.

Methods of repairing steel-reinforced aluminum conductor were tested and an improvement found in repair methods for telephone lines. Attention also was given to two clamping devices which permit changes being made on energized lines.

Treatment of Wooden Transmission Structures

A large number of poles were inspected in the field, to study the effectiveness of various preservatives and methods of treatment.

Laboratory tests were conducted on pentachlorphenol in treatment of eastern cedar poles by the sand-creosote-collar method. Treated samples were submitted to the Forest Products Laboratories in Ottawa and the Consolidated Treating Company's laboratory in Minneapolis for toxicity tests. From the investigation, this chemical was found to be an excellent preservative for use in a sand collar for ground-line treatment.

The problem of obtaining substitute woods for poles and crossarms has been studied in view of the shortage of woods usually employed.

Arrangements have been made to construct special laboratory equipment in order to conduct treating experiments with methylolurea to determine its physical and chemical characteristics.

Domestic Hot-Water Tanks and Heaters

The corrosion of hot-water tanks has been studied for several years. This year, the fifth inspection of ten tanks at York station was made. These tanks are of various types, and the information obtained is being used in the Commission's domestic water-heating programme.

Specimens of corroded galvanized steel sheets from hot-water tanks which had failed were studied to correlate, if possible, the characteristics of the galvanizing or steel base with the service life of the tanks.

Some experiments were made with a view to developing a method of accelerated test of quality of galvanizing on iron and steel. The results obtained appear to explain certain phenomena observed in galvanized tanks and to provide a means of differentiating between good and poor galvanizing.

A new quick-recovery flat-rate electric water-heater arrangement utilizing duplicate heater elements, one near the top of the tank, was developed, and tests have shown that it maintains the delivered water at a more nearly uniform temperature than the customary arrangement with one element near the bottom of the tank. It also provides a substantial increase in the amount of hot water available to meet peak demands. The duplicate heater elements are each of the rated capacity but are interlocked so that only one heater is energized at any time. During a day when exceptional demands have nearly exhausted the stored hot water, a thermostat switches the lower heater off and turns on the upper heater which quickly heats the water in the upper part of the tank and maintains a limited supply for the balance of the day.

Illumination

A series of tests was conducted on the lighting of school classrooms, using a model in which measurements of distribution of light were made to determine the proper arrangement of luminaires and suitable surface and colouring of ceilings and upper walls.

Masonry Materials

Observations on the thermal and structural behaviour of Barrett Chute dam were continued and by diamond drilling, data were obtained on the conditions within Chats Falls dam. The cores from the latter dam were examined and physical tests made which showed the quality of the concrete to be satisfactory.

The deterioration of cement in storage has been a subject of continued study.

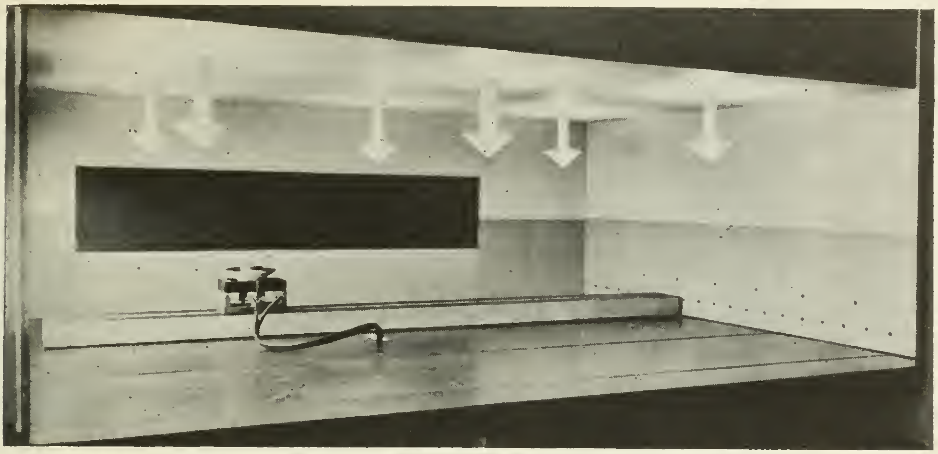
The recording of temperature gradients in concrete, referred to in last year's Annual Report, was continued and results show how the combined and opposed effects of ambient temperatures and absorption of radiant energy sharply change the gradients. The effect of these factors on freezing and thawing cycles at various faces was studied from the standpoint of durability of the concrete with regard to the direction of these faces.

The study of aggregates as to their effect in expansive reactions with cement was continued. Field and laboratory tests on two types of absorptive linings, intended to produce more durable concrete surfaces, were made.

Freezing and thawing tests were conducted in the Laboratories to study the durability of moulded, drilled and sawn specimens.

Paints and Protective Coatings

A large amount of research was done on the formulation of wood priming paints and the effect of pigments upon the tendency of paints to blister. This work resulted in the recommendation of special wood priming paints and an improved formula for exterior house paint, both of which are now in use by the Commission.



SCALE MODEL FOR SCHOOL LIGHTING STUDIES

For photocell survey of light distribution at level of students' desks and at the blackboards to determine the effect of type and spacing of luminaires and of ceiling reflection factors

Studies were made to establish special marking colors, and a specification for their use was prepared.

Paint conditioning machines were investigated and one was purchased for use at Strachan Avenue and Niagara Stores.

Petroleum Products

The most important work of the year was a study to correlate laboratory test of insulating oil with the behaviour in the field. More than 1,000 samples of used oil were tested for viscosity, dissipation factor, interfacial tension, neutralization value and dielectric strength. The results are to be used to develop a quick laboratory method for the valuation of old oil in service.

Comparative tests were made on several grades of earths for treatment of used oils to determine the grades most economical for field work.

Experiments were conducted on wax dispersers for lowering the flow point of certain transformer oils in service.

A large amount of work was done to determine the solubility of air in insulating oil and to find the amount dissolved in oil in certain types of transformers while in service.

Investigations resulting from Factory Inspection

A few investigations were made to obtain more information on conditions which were found during inspection of equipment or after its installation. These included a study of expensive core losses in two large power transformers to see if there were any localized fault, tests to determine the cause of gassing in a transformer, the behaviour of hottest spot temperature indicating equipment in power transformers and experiments with a metal spray method of repair to a turbine.

Miscellaneous Research

An experimental cold storage cabinet and freezer for farm use was completed and some tests were made. This cabinet can freeze at a satisfactory rate and can store 750 to 1,000 pounds of food. The operating temperature of the freezer was twelve degrees below zero Fahrenheit and provision was made for the protection of stored food in case of power failures.

A large amount of investigational work was done on synthetic and rubber insulation, on wartime ropes, explosive hazards of certain gases, contact performance of vibrators, qualifications of components of direction-finding equipment, and on waxes, waxed paper wrapping and metal strapping for shipments overseas which are liable to long exposure to the elements.

Metallographic studies were made on steel and aluminum wires from power lines that failed; the effect of mechanical injury on copper telephone wire also was studied, and the extensive soil investigations were continued.

Routine Testing, Materials and Equipment Inspection

The work of the Laboratories includes a large amount of routine testing of materials and various types of equipment, and also the factory inspection of power equipment being built for the Commission and the municipalities. The purpose of these services is to ensure high quality in material and workmanship and also suitable operating characteristics in the equipment which will result in the lowest possible expense for maintenance and the assurance of reliability in service.

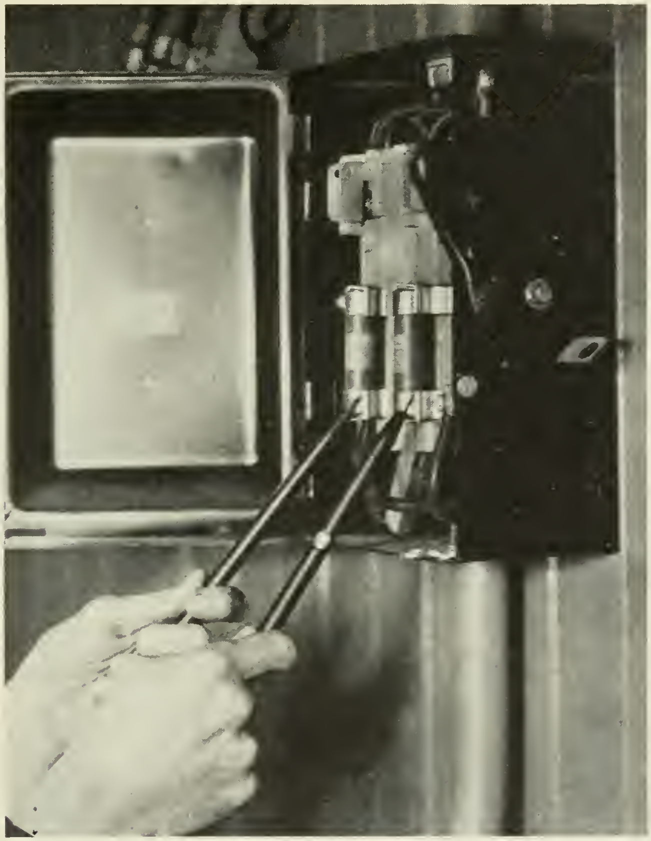
Electrical Equipment

Acceptance tests were completed on two 40,000-kva synchronous condensers for Burlington transformer station, and electrical operating tests after installation were witnessed by the Laboratories. This inspection also included metal clad automatic starting equipment for the condensers, which was used in the electrical tests.

Inspection and final electrical witness tests were made on 21 power transformers, with total capacity of 34,450 kva, six oil circuit breakers, total capacity 117,000 kva, and seven disconnecting switches, 244,000 kva. A total of 2,224 fused switches and 2,347 distribution transformers of small sizes with total capacity of 10,218 kva, were inspected and tested.

Gradient tests were made in the field on 39 transformer and oil circuit-breaker bushings to determine their condition without interrupting their service.

Routine tests were made in the Laboratories on 5,232 pairs of linemen's rubber gloves and on 1,680 samples of insulating oil. Special tests were made on 938 samples of oil. Instrument and distribution transformers tested amounted to 785, and 85 motors were given special tests. A few thermostats were tested, a total of 25. Insulators, to the number of 2,395, were tested and 1,607 watthourmeters were repaired. The number of indicating instruments calibrated, 170, was about the same as in the previous year.



SERVICE VOLTAGE TESTER

Consisting of small neon lamp and high resistance mounted in insulating handles and connected in series. This was developed in the Commission's laboratories and provides a convenient and safe means of indicating whether services up to 550 volts are alive

Mechanical and Structural Equipment

The chief items in mechanical inspection of equipment during fabrication at the manufacturers' plants were for installation at generating or transformer stations.

For Alexander development, the important equipment included one 19,000 horsepower hydraulic turbine, one 15,000-kva generator, the embedded parts for the turbine, the head gates and hoisting equipment. None of this equipment was completed during the year.

For Burlington transformer station, three 40,000-kva synchronous condensers, two of which were completed and installed.

For Toronto Power generating station at Niagara, two turbine shafts and sixteen cast steel runners, eight of which have been completed, and for Cameron Falls, a thrust bearing runner plate.

The tanks for all power transformers and oil circuit-breakers were inspected during manufacture with particular attention to the welding.

Other welded equipment for the Commission was carefully checked and seventeen welded tanks for a transformer manufacturer were inspected.

Concrete

Four resident concrete inspectors and three other inspectors and assistants were engaged on three construction projects, namely, the installation of two synchronous condensers at Burlington transformer station, extensions to Alexander generating station and repairs at Eugenia development. The duties of these inspectors were the testing of aggregates, the supervising of processes and generally checking the quality of concrete.

Field surveys were made at two sites to determine the nature of construction materials available.

X-Ray and Microscopical Examinations

The X-ray laboratory has been very active and assistance was given to government departments in the testing of castings.

Radiographic examinations were made on 21,537 light metal castings, 8,251 bronze and steel castings and 36 miscellaneous items such as heaters, bushings and small transformers.

Microscopical examinations on 155 samples of metal were made to observe the nature of the material structure.

Transmission Line Materials

Inspection of transmission line materials which are handled at Strachan Avenue stores was continued through the year and included crossarms, brackets, insulator pins, clamps, general hardware, wire and cable. The amount of copper wire and galvanized steel cable inspected was 575 tons, being more than twice the quantity inspected last year.

Steel and Timber

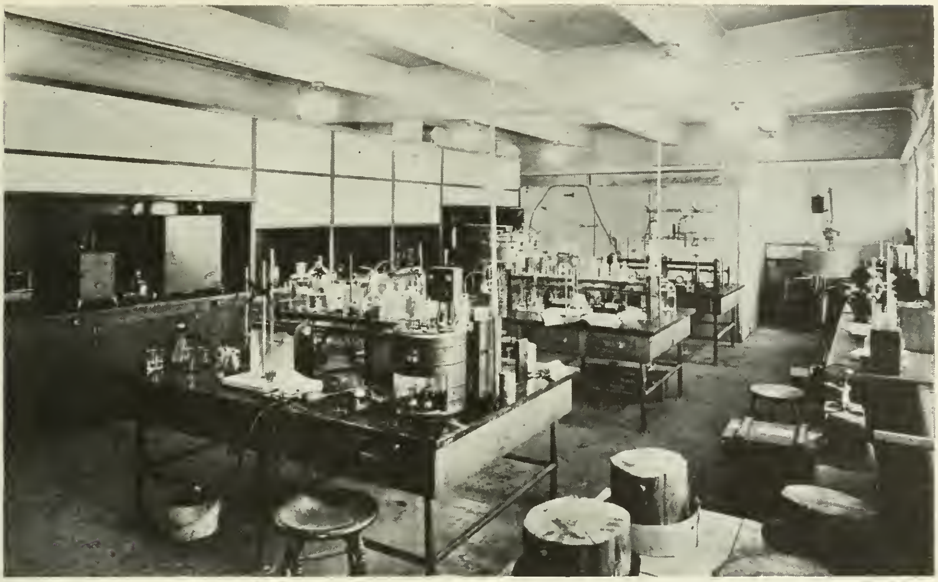
Structural and reinforcing steel for new installations was inspected to the amount of 144 tons. A total of 14,609 pine and cedar poles for distribution line construction also were examined.

Chemical Testing

Protective coatings, including paints and substitutes used by the Commission on construction projects, are tested regularly in the laboratories, the number of samples this year being 123.

Accelerated ageing tests of paints, made on the weatherometer, have proved to be a good guide in determining quality.

Baking tests were made on 18 samples of paint by infra-red rays. This work was the continuation of a development started a few years before to use infra-red rays in commercial installations for the purpose of drying paints and varnishes.



THE CHEMICAL LABORATORY
New testing benches and equipment, the fume cupboards at left and the weatherometer for accelerating testing of paints in background

Petroleum products, 1,337 samples, were tested in this laboratory.

Tests were made on 491 samples of other organic and inorganic materials. Water samples and water treating materials were tested and also some concrete materials, metals and alloys.

Lamps and Lighting Equipment

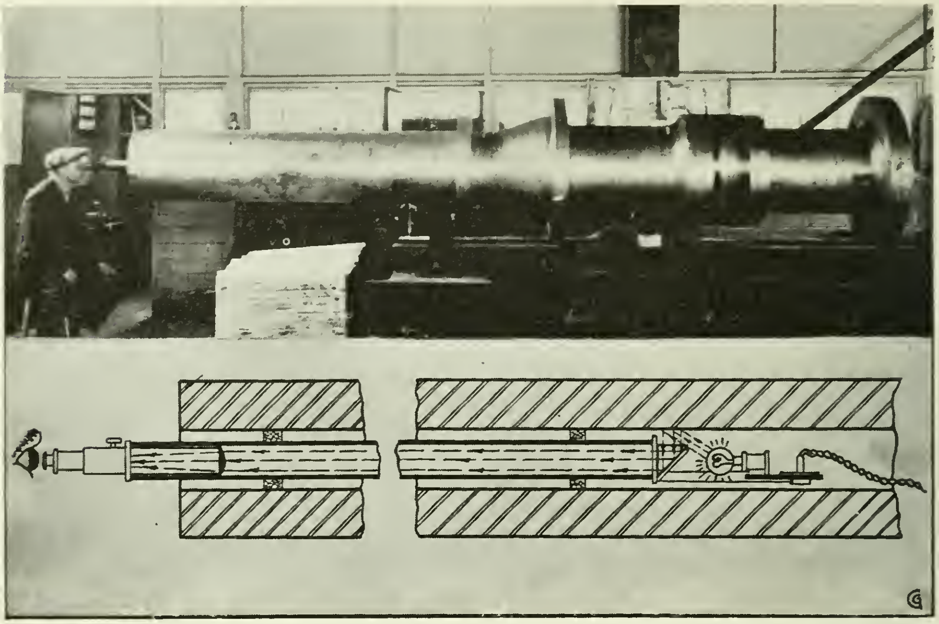
The number of lamps examined and tested in the factory was 72,226. Life tests were made on 3,262 lamps.

New Equipment

The Laboratories are still limited by wartime restrictions in the purchase of new testing equipment. It has been possible, however, to purchase some equipment required and to obtain necessary parts for other apparatus which has been designed and assembled for special applications.

A galvanometer of high sensitivity was purchased for measuring insulation resistance in the Wire Test laboratory, and also an additional test oven and voltage control equipment. An electrical indicating tachometer was bought for use in testing rotating equipment in the laboratory and in the field.

Equipment was assembled for conducting bend tests on weld samples. Special grips were made for use in tension tests on metallic materials. An ozone generator with simplied control was designed and built for testing insulation on wires and cables. Variable speed motor drive for the 20,000



INSPECTION OF HOLLOW SHAFTS BY THE BOROSCOPE

This instrument, consisting of a reflecting prism, telescope and suitable source of illumination, is used for inspecting the interior surfaces of bored shafts up to 48 feet in length

lb. universal testing machine was constructed. An optical device for searching for faults within the bores of long hollow shafts was designed and completed, and was applied in factory inspection.

Specification and Committee Work

Members of the laboratory staff as representatives of the Commission, attended meetings and conferences of the following organizations, assisted in the preparation of specifications and were active in other committee work. Canadian Standards Association, National Research Council, Canadian Electrical Association, Engineering Institute of Canada, American Institute of Electrical Engineers, American Concrete Institute, American Society for Testing Materials, International Association of Electrical Inspectors, Canadian Manufacturers' Association, Ontario Municipal Electric Association, Association of Municipal Electrical Utilities, Illuminating Engineering Society, Wartime Labour Relations Board, Wartime Prices and Trade Board, Department of Munitions and Supply, Wartime Bureau of Technical Personnel, and Dominion Board of Fire Underwriters.

APPROVALS LABORATORY

This Laboratory acts as agent of the Canadian Standards Association, taking care of approvals testing and factory re-examination of electrical equipment for Canada, and for manufacturers in the United States who would sell their products in Canada and have applied for approval under the Canadian Electrical Code.

The Approvals Engineer attended meetings of the Approvals Administrative Board, the Approvals Council, Canadian Electrical Code Committee Part II and the CSA Committee on Electric Range Switches.

A review of the statistical report from the Approvals Division shows that applications for approval have returned nearly to the same number as were received two years previously and that the sale of approval labels has increased materially. Factory inspection reports are practically the same in number as in the previous year. Members of the staff have been consulted by manufacturers desiring to use substitutes for approved parts during the period of shortage of material caused by the war and again are being consulted by some manufacturers who are preparing to produce electrical equipment for civilian consumption at the end of the war.

ELECTRICAL INSPECTION DEPARTMENT

The relaxation of wartime restrictions, particularly in its effect upon electrical installations in rural areas, has increased the volume of work handled by the Electrical Inspection department.

Statistical

A total of 83,363 permits was issued, an increase of 17,848, or 27 per cent over the previous year, and 149,960 inspections were made, an increase of 12,845, or 9.4 per cent.

Fires Attributed to Electricity

Numerous investigations of fires were made but of the fires reported as having been due to electric wiring or equipment, only six were found definitely to have started from these sources. These were caused by short circuits in armoured cable, in non-metallic sheathed cable and in flexible conduit, by irons left heating and unattended in domestic establishments, and by an overloaded canopy switch which set fire to the ceiling.

Electrocutions and Fatal Accidents

Six persons were accidently electrocuted in Ontario by coming into contact with wiring and equipment. A child touched a live toaster element while sitting on a metal sink; a machinist standing on a wet floor was working on an ungrounded electrically-operated grinder which had been connected temporarily; two men were attempting to move ungrounded portable coal loaders while standing on the ground; one man was attempting to move a portable welder, the machine being alive due to a defective supply cable; one man was working on a pole making alterations to overhead yard feeders on a neighbour's farm.

Accidents, Non-Fatal

Two persons were reported as having received shock or injury which did not result in death. One of these received a severe shock while helping to move one of the coal loaders already mentioned. The other, an operator, received severe burns while working in a private sub-station.

Ground Tests

A total of 2,350 tests of consumers' grounds was made, nearly five times as many as in the previous year. This increase was due to the removal of some of the wartime restrictions applicable to wiring in rural areas.

Infractions of Regulations

Twenty-three persons or companies were prosecuted for various infractions of the rules and regulations governing the installation, sale and disposal of electrical equipment.

Special Inspection of Equipment

Some 656 applications were received from manufacturers and distributors of electrical equipment for the approval of devices not listed as approved by the Canadian Standards Association. The department reported on 1,075 applications for special inspection or equipment.

Canadian Electrical Code

Engineers of the Approvals laboratory, and members of the Electrical Inspection staff and the Engineering department, attended seven meetings and assisted in compiling and revising sections of Parts I, II and IV of the Code.

The work on Part I of the Code, on Electrical Installations, includes issuing interim revisions and interpretations and attending meetings of the Central Committee. Part II, on Approvals Specifications for Electrical Equipment, involves the preparation of draft specifications and interim revisions of published specifications, and also requires attendance at meetings with Part II Committee.

The work on Part IV, on Radio Interference, includes preparations of drafts of sections of specifications for the purpose of ensuring good practice in methods of suppressing radio interference. Attendance also is necessary at meetings of the Committee on Part IV and at meetings of panels and subpanels of the main committee.

No new specifications were issued during the year but three specifications were advanced. This work has been in abeyance due to the war.

PRODUCTION AND SERVICE DEPARTMENT

The operation of the garage continued on a satisfactory basis. The volume of work was approximately equal to that of the previous year and included overhauling 82 trucks and reconditioning 30 units of gasoline-driven equipment for the Construction and Operating departments. Miscellaneous truck repairs, 1,375 orders, also were completed.

Curtailment in the manufacture of commercial vehicles limited the purchases by the Commission to two trucks. All efforts, therefore, were confined to maintaining and rebuilding existing equipment.

The policy of systematically inspecting and repairing the Commission's fleet of 380 trucks was continued. During the fiscal year, the fleet operated a total of 2,831,877 miles, an increase of 13.2 per cent over the previous year but still a gross reduction of 16.6 per cent since gasoline rationing was first instituted.

The volume of work in the machine shop was much greater than in the previous year. Work completed for the various departments of the Commission increased 10 per cent, and in addition war work done under the auspices of the Public Utilities Wartime Workshop Board increased to the point where it was necessary to devote an additional 2,000 sq. ft. of floor space for this purpose.

SECTION IX

FINANCIAL STATEMENTS

Relating to

Properties Operated by The Hydro-Electric Power Commission on behalf of Co-operating Municipalities of the Southern Ontario System (Niagara, Georgian Bay and Eastern Ontario Divisions) and the Thunder Bay System,

and to

Northern Ontario Properties Held and Operated by the Commission in Trust for the Province of Ontario, and

The Hamilton Street Railway Company—A Subsidiary of the Southern Ontario System

IN this section of the Report financial statements relating to the activities of The Hydro-Electric Power Commission, segregated into certain distinct divisions, are presented. The first division relates to those activities on behalf of the co-operative municipalities, which are partners in the main Hydro undertaking comprising the Southern Ontario system (Niagara, Georgian Bay and Eastern Ontario divisions), the Thunder Bay system, and Rural Power districts associated with these two systems. The second relates to the administration of the Northern Ontario Properties which are held and operated by the Commission in trust for the Province of Ontario. The third relates to The Hamilton Street Railway Company, a wholly-owned subsidiary of the Southern Ontario system.

Co-operative Systems

In the Foreword to this Report a brief reference is made to the basic principle governing the operations of the Hydro undertaking in supplying electrical service at cost, and to the wholesale and retail aspects of the work. A description is also given of the systems into which the partner municipalities are co-ordinated for securing common action with respect to power supplies, through the medium of The Hydro-Electric Power Commission which, under The Power Commission Act, functions as their Trustee.

Although for the purpose of financial administration the Southern Ontario and Thunder Bay systems are separate units, there is a similarity of procedure with respect to their operation which enables certain financial statements, as for example the various reserves, to be co-ordinated and presented in summary tables.

The first set of tables in Section IX gives collective results for the co-operative activities related to the two systems. These tables include a **balance sheet; a statement of operations and cost distribution** as detailed in the "cost of power" tables referred to below; schedules respecting **fixed assets, capital expenditures and grants—rural power districts, account with the Provincial Treasurer of the Province of Ontario, funded debt issued or assumed, power accounts receivable, renewals reserves, contingencies and obsolescence reserves, stabilization of rates reserves and sinking fund reserves.**

The tables which follow these general financial statements relate more particularly to the individual municipality's aspects of the wholesale activities of the Commission and for each system show the **cost of power** to the individual municipal utilities, the **credit or debit** adjustment remaining at the end of the fiscal year, and the **sinking fund** equity that has been acquired by the individual municipality. There is also included for each system a **rural operating** statement.

The charges for power supplied by the Commission to the various municipalities vary with the amounts of power used, the distances from the sources of supply and other factors. The entire capital cost of the various power developments and transmission systems is annually allocated to the connected municipalities and other wholesale power consumers, according to the relative use made of the lines and equipment. In general each municipality assumes responsibility for that portion of property employed in providing and transmitting power for its use,* together with such expenses—including the cost of purchased power if any—as are incidental to the provision and delivery of its wholesale power. The annual expenses and the appropriations for reserves are provided out of revenues collected in respect of such power, through the medium of power bills rendered by the Commission. The municipalities are billed at an estimated interim rate each month during the year and credit or debit adjustment is made at the end of the year,† when the Commission's books are closed and the actual cost payable by each municipality for power taken has been determined.

Included in the municipality's remittance to the Commission for the wholesale cost of power—besides such current expenses as those for operation and maintenance of plant, for administration, and for interest on capital—are sums required to build up reserves for sinking fund, for renewals, and for contingencies and obsolescence. The first-mentioned reserve, namely, sinking fund, is being created on a 40-year basis for the purpose of liquidating capital liabilities. The other reserves are, respectively, being created to provide funds for the replacing or rebuilding of plant as it wears out; to enable the undertaking to replace existing equipment with improved equipment as it becomes available through advances in science and invention, and to meet unforeseen expenses which from time to time may arise.

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*Subject to maximun rate; see footnote on page 122.

†The financial year for the Commission ends on October 31. The financial year for the municipal electric utilities however, ends on December 31, and the municipal accounts are made up to this date, and so recorded in Section X.

The ultimate source of all revenue to meet costs—whether for the larger operations of The Hydro-Electric Power Commission or for the smaller local operations of the municipalities—is, of course, the consumer. Out of the total revenue collected by each municipal utility from its consumers for service supplied, only an amount sufficient to pay the wholesale cost of power supplied by the Commission as outlined above is remitted to the Commission; the balance of municipal electrical revenue is retained to pay for the expense incurred by the local utility in distributing the electrical energy to its consumers.

Tabular Data

The following comments relate to the tabular data presented:

Balance Sheet.—The first tabular statement given in Section IX is a balance sheet showing the assets, and the liabilities and reserves of the co-operative systems.

Statement of Operations.—This statement is a summary of operating expenses and fixed charges as shown in the "cost of power" tables and rural operating statements relating to the individual systems as referred to more particularly below.

Fixed Assets.—Details are given concerning the various fixed assets of each system and of the miscellaneous properties, showing in separate classifications the values of plant under construction and in service, depreciable and non-depreciable.

Capital Expenditures and Grants.—Rural Power Districts.—This schedule gives summary information respecting the total capital expenditures on rural power districts and grants-in-aid of construction paid or payable by the Province with respect to such rural districts.

Account with the Provincial Treasurer.—This schedule lists, both for the systems operated on a cost basis, and for the Northern Ontario Properties which are held and operated by the Commission in trust for the Province, the advances from the Province of Ontario and the repayments which have been applied to reduce this liability. It should be noted that Provincial advances to finance Northern Ontario Properties are shown in memorandum form only on the balance sheet of the Commission as the direct liability is carried on the Northern Ontario Properties' balance sheet.

Funded Debt Issued or Assumed.—This schedule presents a complete list of the outstanding securities issued or assumed by the Commission on account of the systems, and the Northern Ontario

Properties. It should be noted that securities issued to finance Northern Ontario Properties are shown only in memorandum form on the balance sheet of the Commission, whilst the direct liability is shown on the balance sheet of the Northern Ontario Properties.

Power Accounts Receivable. — This schedule sets forth the amounts collectable from all classes of power consumers and includes the annual adjustment figures from the "credit or charge" statements for municipalities. The main details of these debit balances three months or more overdue are stated.

Renewals Reserves,
Contingencies and Obsolescence Reserves, and
Stabilization of Rates Reserves.

These schedules show the provisions made to, the expenditures from, and the balance to the credit of, these reserves for each of the systems and other properties included in the power undertakings operated on a cost basis.

Sinking Fund Reserves.—This schedule summarizes the appropriations of principal and interest with respect to these reserves for each of the systems and certain other properties.

Following these statements, which are common to all systems, there are given for each of the co-operative systems four tabular statements as follows:

Cost of Power statement, which shows the apportionment to each municipality of the items of cost summarized in Statement of Operations, as well as the apportionment of fixed assets in service listed in the balance sheet and the amount of power taken by each muncipality. It should be noted that the cost of power given in this table is the wholesale cost—that is, the cost which the Commission receives for the power delivered from the main transformer stations serving the local utility. In the case of municipal electrical utilities not directly administered by the Commission, the respective costs of power appear in Statement "B" of Section X as "cost of power supplied by H-E.P.C."

Credit or Charge statement, which shows the adjustments made in order to bring the amounts paid by each municipal electric utility to the actual cost of service.

Sinking Fund statement, which gives the accumulated total of the amounts paid by each municipality as part of the cost of power together with its proportionate share of other sinking funds.

Rural Operating statement, which summarizes for the rural power district of the system the various items of cost, and the revenues received, in connection with the distribution of electrical energy to rural consumers.

Northern Ontario Properties

The statements and schedules respecting these properties which are held and operated by the Commission in trust for the Province of Ontario include the balance sheet, operating account, schedule of fixed assets, renewals reserve, contingencies and obsolescence reserve, and sinking fund reserve. These schedules are similar in form to the corresponding schedules relating to the co-operative systems.

The Hamilton Street Railway Company

This is a wholly-owned subsidiary of the Southern Ontario system of the Commission. A balance sheet and operating statement are presented.

Municipal Utilities

All municipal Hydro utilities have current expenses to meet similar to the expenses of the Commission and have adopted the same financial procedure with respect to their operations. In other words, concurrently with the creation of funds to liquidate their debt to the Commission and to provide the necessary reserves to protect generating, transforming and transmission systems, the municipalities are taking similar action with respect to their local Hydro utility systems.

The balance sheets, operating reports and statistical data appearing in Section X, under the heading of "Municipal Accounts", relate to the operation of local distribution systems by individual municipalities which have contracted with the Commission for their supply of electrical energy. To this section there is an explanatory introduction to which the reader is specially referred.

Auditing of Accounts

The accounts of The Hydro-Electric Power Commission of Ontario are verified by auditors specially appointed by the Provincial Government. The accounts of the "Hydro" utility of each individual municipality are prepared according to approved and standard practice and The Public Utilities Act requires that they shall be audited by the auditors of the municipal corporation.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

FINANCIAL ACCOUNTS

For the year ended October 31, 1944

Relating to Properties operated on a "Cost Basis" for the Co-operating Municipalities and Rural Power Districts which are supplied with Electrical Power and Services from the following Properties:

Southern Ontario System
(Embracing Niagara, Georgian Bay and Eastern Ontario Divisions)

Thunder Bay System

Service and Administrative Buildings and Equipment

STATEMENTS

Balance Sheet as at October 31, 1944

Statement of Operations and Cost of Power for the year ende October 31, 1944

Schedules supporting the Balance Sheet as at October 31, 1944:
- Fixed Assets—By Systems and Properties
- Capital Expenditures and Grants—Rural Power Districts
- Account with the Provincial Treasurer of the Province of Ontario
- Funded Debt Issued or Assumed
- Power Accounts Receivable
- Renewals Reserves
- Contingencies and Obsolescence Reserves
- Stabilization of Rates Reserves
- Sinking Fund Reserves

Statements for Municipalities Receiving Power under Cost Contracts

THE HYDRO-ELECTRIC POWER

SOUTHERN ONTARIO AND

BALANCE SHEET AS AT

ASSETS

FIXED ASSETS:			
Southern Ontario system		$303,607,172.96	
Thunder Bay system		20,857,639.92	
Service and administrative buildings and equipment		4,254,910.50	
Less grants-in-aid of construction:		$328,719,723.38	
Province of Ontario—for rural power districts		20,013,585.60	
			$308,706,137.78
INVESTMENTS:			
The Hamilton Street Railway Company (a wholly-owned subsidiary)—capital stock		$ 3,000,000.00	
Other investments		234,125.00	
			3,234,125.00
CURRENT ASSETS:			
Cash in banks		$ 216,240.99	
Employees' working funds		64,578.31	
Sundry accounts receivable		701,391.66	
Power accounts receivable		2,865,291.07	
Interest accrued		621,165.79	
Consumers' and contractors' deposits:			
Cash deposits	$ 14,454.52		
Securities—at par value	915,049.19		
		929,503.71	
Prepayments		25,489.58	
			5,423,661.11
INVENTORIES:			
Construction and maintenance materials and supplies		$ 2,464,155.66	
Construction and maintenance tools and equipment		654,376.90	
Office equipment		142,069.00	
			3,260,601.56
DEFERRED ASSETS:			
Agreements and mortgages		$ 68,451.34	
Rural district loans		2,114.41	
Work in progress—deferred work orders		288,303.86	
			358,869.61
UNAMORTIZED DISCOUNT ON DEBENTURES			518,454.36
RESERVE FUND INVESTMENTS:			
Investments in government and government guaranteed bonds, at amortized cost:			
Employers' liability insurance fund		$ 1,018,678.29	
Pension fund		9,047,299.87	
Other reserves		52,406,186.87	
			62,472,165.03
SINKING FUNDS:			
Deposits in the hands of trustees—including temporary investments			86,002.78
			$384,060,017.23

COMMISSION OF ONTARIO

THUNDER BAY SYSTEMS

OCTOBER 31, 1944

LIABILITIES AND RESERVES

LONG TERM LIABILITIES (at par of exchange):			
Funded debt. issued or assumed		$100,274,000.00	
Less debentures issued to finance Northern Ontario Properties		20,678,800.00	
		$ 79,595,200.00	
Advances from the Province of Ontario	$96,370,915.25		
Less advances for Northern Ontario Properties	5,638,174.72		
		90,732,740.53	
Purchase agreements		59,206.52	
			$170,387,147.05
CURRENT LIABILITIES:			
Accounts and payrolls payable		$ 2,214,234.67	
Power accounts—credit balances		548,919.42	
Hamilton Street Railway Company—current account		791,809.51	
Northern Ontario Properties—current account		2,393,599.51	
Advances from the Province of Ontario for rural loans		2,191.00	
Consumers' and contractors' deposits		997,776.52	
Debenture interest accrued		639,191.82	
Miscellaneous interest accrued		2,370.63	
Miscellaneous accruals		285,892.01	
Rural power district grants—not allocated		33,620.72	
			7,909,605.81
RURAL POWER DISTRICTS—rates suspense, net			2,693,998.73
RESERVES:			
Renewals	$ 61,032,343.34		
Contingencies and obsolescence	32,482,916.97		
Stabilization of rates	16,531,243.91		
Fire insurance	132,583.65		
Investment—subsidiary	1,483,561.07		
		$111,662,648.94	
Employers' liability insurance		1,340,087.93	
Pension fund		9,248,123.60	
Savings and retirement fund		192,452.31	
Miscellaneous		575,169.89	
			123,018,482.67
SINKING FUND RESERVE:			
Represented by:			
Funded debt and provincial advances retired through sinking funds		$ 79,964,780.19	
Deposits in the hands of trustees—contra		86,002.78	
			80,050,782.97
			$384,060,017.23

Auditors' Report

We have made an examination of the balance sheet of the Southern Ontario and Thunder Bay Systems of The Hydro-Electric Power Commission of Ontario as at October 31, 1944 and of the attached statement of operations for the year ended on that date. In connection therewith we examined or tested accounting records of the Commission and made a general review of the accounting methods and of the operating and income accounts for the year, but we did not make a detailed audit of the transactions.

We report that in our opinion the foregoing balance sheet and related statement of operations, as more fully reported upon by us to the Lieutenant-Governor in Council, have been drawn up so as to exhibit a true and correct view of the state of the affairs of the Southern Ontario and Thunder Bay Systems of the Commission at October 31, 1944 (subject to the trusts which prevail in respect thereto) and the results of their operations for the year ended on that date, according to the best of our information and the explanations given us and as shown by the books.

CLARKSON, GORDON, DILWORTH & NASH,
Chartered Accountants.

Toronto, Canada,
July 12, 1945.

THE HYDRO-ELECTRIC POWER

SOUTHERN ONTARIO AND

Statement of Operations for the

	Southern Ontario system
	$ c.
Cost of power:	
Cost of power purchased	10,807,512.45
Operating, maintenance and administrative expenses	6,517,933.86
Interest (including interest on sinking fund, renewals, and other reserves)	10,847,640.18
Provision for renewals	2,185,426.85
Provision for contingencies and obsolescence	9,430,542.93
Provision for stabilization of rates	....
Provision for sinking fund	2,784,693.28
Total	42,573,749.55
Amounts received from or billed against municipalities and other customers:	
Municipalities (at interim rates)	27,204,922.19
Rural power districts	2,191,068.10
Companies	16,046,791.53
Mining area	....
Local distribution system	176,600.08
Rural lines operated by municipalities	131.52
Total	45,619,513.42
Balance, credited or charged to municipalities on annual adjustment of the cost of power:	
Credited	3,045,763.87
Charged	....
Net credit	3,045,763.87

COMMISSION OF ONTARIO

THUNDER BAY SYSTEMS

Year Ended October 31, 1944

Thunder Bay system	Distribution in rural power districts	Elimination	Total
$ c.	$ c.	$ c.	$ c.
....	2,206,764.93	2,206,764.93	10,807,512.45
387,650.83	1,454,061.00	....	8,359,645.69
915,181.93	818,867.61	....	12,581,689.72
160,074.39	393,099.19	....	2,738,600.43
548,381.71	....	....	9,978,924.64
33,793.90	....	....	33,793.90
195,594.71	209,579.55	....	3,189,867.54
2,240,677.47	5,082,372.28	2,206,764.93	47,690,034.37
807,583.55	....	....	28,012,505.74
15,696.83	5,514,998.83	2,206,764.93	5,514,998.83
972,501.07	....	....	17,019,292.60
533,716.74	....	....	533,716.74
....	....	....	176,600.08
....	....	....	131.52
2,329,498.19	5,514,998.83	2,206.764.93	51,257,245.51
88,820.72	434,477.09	....	3,569,061.68
....	1,850.54	....	1,850.54
88,820.72	432,626.55	....	3,567,211.14

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1944

SOUTHERN ONTARIO SYSTEM

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions

Property	Fixed Assets			
	Under construction	In service		Total
		Non-depreciable	Depreciable	
POWER PLANTS	$ c.	$ c.	$ c.	$ c.
Niagara Division:				
Niagara river:				
Queenston-Chippawa	2,348.52	46,726,712.52	28,741,865.09	75,470,926.13
Ontario Power		7,281,151.42	14,443,005.93	21,724,157.35
Toronto Power	66.50	3,823,379.60	7,622,170.92	11,445,617.02
Ottawa river:				
Chats Falls		818,263.01	6,372,280.09	7,190,543.10
Des Joachims power site surveys	241,277.67			241,277.67
Power sites	50,002.00			50,002.00
Welland canal:				
DeCew Falls		6,542,321.90	9,652,739.21	16,195,061.11
Long Lake diversion		256,910.72	620,304.79	877,215.51
Ogoki diversion		2,790,000.00	2,062,152.73	4,852,152.73
Preliminary river surveys		30,242.35		30,242.35
Georgian Bay Division:				
Muskoka river: (below lake)				
Bala No. 1 and No. 2		29,191.00	43,216.77	72,407.77
Ragged Rapids		70,889.49	1,261,109.55	1,331,999.04
Big Eddy		170,467.76	1,123,100.46	1,293,568.22
Lands and water rights		17,224.03		17,224.03
Severn river:				
Wasdells		15,302.32	132,392.92	147,695.24
Big Chute		122,540.48	562,596.65	685,137.13
Beaver river:				
Eugenia		142,538.73	1,147,783.46	1,290,322.19
Saugeen river:				
Hanover		10,000.00		10,000.00
Walkerton		100,372.31	117,123.34	217,495.65
Southampton		1.00		1.00
Muskoka river: (above lake)				
South Falls		17,934.95	436,726.95	454,661.90
Trethewey Falls		51,549.45	305,718.47	357,267.92
Hanna Chute		34,256.73	207,714.10	241,970.83
Hollow Lake dam		16,622.32	29,540.16	46,162.48
Lake of Bays outlet		1.00		1.00
Sauble river:				
Lands and rights		4,200.00		4,200.00
Gull river:				
Lands and rights		1.00		1.00
Eastern Ontario Division:				
Fenelon river:				
Fenelon Falls		60,000.00	89,362.70	149,362.70
Otonabee river:				
Auburn		31,400.00	290,275.05	321,675.05
Lakefield		19,620.05	216,729.40	236,349.45
Trent river:				
Heely Falls			1,202,112.81	1,202,112.81
Seymour			316,353.92	316,353.92
Ranney Falls	85.55		1,364,996.25	1,365,081.80
Ranney Falls No. 3		18,596.20	54,489.18	73,085.38
Crow river		1,000.00		1,000.00

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1944

SOUTHERN ONTARIO SYSTEM

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions

Property	Fixed Assets			
	Under construction	In service		Total
		Non-depreciable	Depreciable	
POWER PLANTS—(Continued)	$ c.	$ c.	$ c.	$ c.
Trent river:—(Continued)				
Hagues Reach	....	....	573,262.30	573,262.30
Meyersburg	....	....	837,865.91	837,865.91
Sills Island	....	38,679.36	283,094.84	321,774.20
Frankford	....	....	252,398.83	252,398.83
Sidney	....	....	250,996.46	250,996.46
Mississippi river:				
High Falls	....	13,154.84	705,116.58	718,271.42
Carleton Place	....	9,929.06	47,817.10	57,746.16
Galetta	....	20,000.00	127,888.21	147,888.21
Madawaska river:				
Barrett Chute	....	701,021.57	3,804,900.94	4,505,922.51
Calabogie	....	80,825.74	677,629.51	758,455.25
Bark Lake dam	....	608,665.93	781,962.39	1,390,628.32
Kaminiskeg Lake dam	....	17,808.77	1,795.46	19,604.23
Undeveloped sites	....	470,000.00	....	470,000.00
Miscellaneous	13.00	....	46,071.28	46,084.28
Intangible	....	2,217,761.29	....	2,217,761.29
	293,793.24	73,380,536.90	86,806,660.71	160,480,990.85
TRANSFORMER STATIONS				
Niagara Division	128,371.34	....	48,599,898.57	48,728,269.91
Georgian Bay Division	895.82	....	2,060,757.91	2,061,653.73
Eastern Ontario Division	30,588.89	76,296.26	4,547,791.73	4,654,676.88
	159,856.05	76,296.26	55,208,448.21	55,444,600.52
TRANSMISSION LINES				
Niagara Division:				
Lines	33,472.44	....	29,471,972.62	29,505,445.06
Right-of-way	....	8,833,707.36	....	8,833,707.36
Georgian Bay Division	4,499.17	....	2,750,836.08	2,755,335.25
Eastern Ontario Division	34,586.67	461,586.48	5,847,840.61	6,344,013.76
	72,558.28	9,295,293.84	38,070,649.31	47,438,501.43
LOCAL SYSTEMS				
Niagara Division	....	....	237,217.69	237,217.69
Georgian Bay Division	854.39	....	105,217.90	106,072.29
Eastern Ontario Division	....	703.00	32,212.21	32,915.21
	854.39	703.00	374,647.80	376,205.19
Sub-total	527,061.96	82,752,830.00	180,460,406.03	263,740,297.99
RURAL POWER DISTRICT				
H-E.P.C. investment	....	38,655.97	20,070,798.08	20,109,454.05
Government grants	....	....	19,756,058.08	19,756,058.08
	....	38,655.97	39,826,856.16	39,865,512.13

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1944

SOUTHERN ONTARIO SYSTEM

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions

Property	Fixed Assets			
	Under construction	In service		Total
		Non-depreciable	Depreciable	
	$ c.	$ c.	$ c.	$ c.
RURAL LINES				
Niagara Division	....	....	440.82	440.82
Georgian Bay Division	....	....	922.02	922.02
	....	....	1,362.84	1,362.84
	527,061.96	82,791,485.97	220,288,625.03	303,607,172.96

	Cost statements	Transfers for cost purposes	Fixed assets as above
	$ c.	$ c.	$ c.
Cost of Power schedules	263,612,036.89	128,261.10	263,740,297.99
Rural Operating schedules	20,237,715.15	*128,261.10*	20,109,454.05
Rural Lines schedules	1,362.84	....	1,362.84

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1944

THUNDER BAY SYSTEM

Property	Fixed Assets			
	Under construction	In service		Total
		Non-depreciable	Depreciable	
POWER PLANTS:	$ c.	$ c.	$ c.	$ c.
Nipigon river:				
Cameron Falls	....	857,418.84	9,057,364.53	9,914,783.37
Alexander	577,953.63	76,898.44	5,260,786.15	5,915,638.22
Virgin Falls dam	....	55,450.41	426,736.74	482,187.15
	577,953.63	989,767.69	14,744,887.42	16,312,608.74
TRANSFORMER STATIONS	8,127.92	352,351.13	897,464.09	1,257,943.14
TRANSMISSION LINES	310.53	962,324.32	1,722,868.91	2,685,503.76
LOCAL SYSTEMS	....	86,529.25	....	86,529.25
Sub-total	586,392.08	2,390,972.39	17,365,220.42	20,342,584.89
RURAL POWER DISTRICT:				
H-E.P.C. investments	....	....	257,527.51	257,527.51
Government grants	....	....	257,527.52	257,527.52
			515,055.03	515,055.03
	586,392.08	2,390,972.39	17,880,275.45	20,857,639.92

	Cost statements	Fixed Assets as above
	$ c.	$ c.
Cost of Power schedules	20,342,584.89	20,342,584.89
Rural Operating schedules	257,527.51	257,527.51

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1944

ADMINISTRATIVE AND SERVICE BUILDINGS AND EQUIPMENT

Property	Fixed Assets			
	Under construction	In service		Total
		Non-depreciable	Depreciable	
Administrative Buildings:	$ c.	$ c.	$ c.	$ c.
Toronto:				
University avenue	1,614.19	258,651.67	2,684,476.65	2,944,742.51
Elm and Centre streets			113,322.00	113,322.00
	1,614.19	258,651.67	2,797,798.65	3,058,064.51
Service Buildings and Equipment:				
Toronto:				
Strachan avenue			574,600.91	574,600.91
1379 Bloor street west			50,000.00	50,000.00
Cobourg			22,245.08	22,245.08
Hamilton		550,000.00		550,000.00
		550,000.00	646,845.99	1,196,845.99
	1,614.19	808,651.67	3,444,644.64	4,254,910.50

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1944

SUMMARY

System or property	Fixed Assets			
	Under construction	In service		Total
		Non-depreciable	Depreciable	
	$ c.	$ c.	$ c.	$ c.
Southern Ontario system	527,061.96	82,791,485.97	220,288,625.03	303,607,172.96
Thunder Bay system	586,392.08	2,390,972.39	17,880,275.45	20,857,639.92
Service and administrative buildings and equipment	1,614.19	808,651.67	3,444,644.64	4,254,910.50
	1,115,068.23	85,991,110.03	241,613,545.12	328,719,723.38
Less: Grants in aid of construction: Province of Ontario for rural power districts			20,013,585.60	20,013,585.60
	1,115,068.23	85,991,110.03	221,599,959.52	308,706,137.78

THE HYDRO-ELECTRIC POWER

STATEMENT SHOWING CHANGES IN FIXED ASSETS

Class of asset	Balance at beginning of year	Expenditure during year
SOUTHERN ONTARIO SYSTEM		
POWER PLANTS		
Niagara Division:	$ c.	$ c.
Queenston-Chippawa	75,611,379.18	869.17
Ontario Power	21,724,480.78	....
Toronto Power	11,445,550.52	66.50
Chats Falls	7,187,160.54	9,863.47
Des Joachims power site	223,728.76	17,548.91
DeCew Falls	15,377,621.61	832,939.50
Ogoki diversion	4,710,742.48	141,410.25
Other properties	906,923.39	50,536.47
Georgian Bay Division:		
Eugenia	1,296,940.70	....
Ragged Rapids	1,331,848.29	168.75
Big Eddy	1,291,708.98	1,859.24
Big Chute	685,050.94	86.19
South Falls	454,661.90	....
Trethewey Falls	357,267.92	....
Other properties	845,186.92	358.25
Eastern Ontario Division:		
Hagues Reach	573,184.97	322.33
Auburn	321,675.05	....
Seymour	316,781.03	4,479.73
Ranney Falls	1,438,946.90	119.21
Heely Falls	1,203,640.00	4,523.73
Meyersburg	837,865.91	....
High Falls	698,608.90	22,214.40
Barrett Chute	4,434,111.69	71,810.82
Bark Lake dam	1,340,152.13	50,476.19
Calabogie	758,455.25	....
Sills Island	321,395.42	378.78
Intangible and undeveloped sites	2,687,761.29	....
Other properties	1,177,544.43	8,709.13
	159,560,375.88	1,218,741.02
TRANSFORMER STATIONS		
Niagara Division	48,798,102.39	1,120,487.74
Georgian Bay Division	2,044,405.89	24,558.83
Eastern Ontario Division	4,613,169.89	65,672.32
	55,455,678.17	1,210,718.89
TRANSMISSION LINES		
Niagara Division:		
Lines	30,349,500.00	89,369.77
Right-of-way	9,392,448.65	39,475.13
Georgian Bay Division	2,918,980.06	5,915.70
Eastern Ontario Division	6,304,891.14	42,661.14
	48,965,819.85	177,421.74

COMMISSION OF ONTARIO

DURING YEAR ENDED OCTOBER 31, 1944

Adjustment for equipment re-located	Retirements		Balance at end of year
	Values recovered (stores, sales and salvage)	Charged to reserves for renewals and contingencies	
$ c.	$ c.	$ c.	$ c.
300.00	*4,714.85*	*136,307.37*	75,470,926.13
	323.43		21,724,157.35
			11,445,617.02
	215.00	*6,265.91*	7,190,543.10
			241,277.67
11,700.00	*3,800.00*		16,195,061.11
			4,852,152.73
			957,459.86
10.00		*6,608.51*	1,290,322.19
		18.00	1,331,999.04
			1,293,568.22
			685,137.13
			454,661.90
			357,267.92
	1,300.00	*87,086.17*	757,159.00
	22.51	*222.49*	573,262.30
			321,675.05
893.16	*131.53*	*5,668.47*	316,353.92
		898.93	1,438,167.18
1,992.00		*8,042.92*	1,202,112.81
			837,865.91
	10.00	*2,541.88*	718,271.42
			4,505,922.51
			1,390,628.32
			758,455.25
			321,774.20
			2,687,761.29
	1,556.85	*23,266.39*	1,161,430.32
9,124.84	*12,074.17*	*276,927.04*	160,480,990.85
8,610.01	*454,624.77*	*727,085.44*	48,728,269.91
4,623.89	*331.11*	*11,603.77*	2,061,653.73
1,623.00	*2,132.73*	*23,655.60*	4,654,676.88
2,363.12	*457,088.61*	*762,344.81*	55,444,600.52
135,518.70	*111,304.38*	*957,639.03*	29,505,445.06
13,050.17	*4,354.40*	*606,912.19*	8,833,707.36
143,661.54	*3,088.12*	*22,810.85*	2,755,335.25
766.92	*84.48*	*2,687.12*	6,344,013.76
4,140.41	*118,831.38*	*1,590,049.19*	47,438,501.43

THE HYDRO-ELECTRIC POWER

STATEMENT SHOWING CHANGES IN FIXED ASSETS

Class of Asset	Balance at beginning of year	Expenditure during year
SOUTHERN ONTARIO SYSTEM—*Continued*		
LOCAL SYSTEMS	$ c.	$ c.
Niagara Division	221,459.67	3,758.02
Georgian Bay Division	106,270.89	2,983.33
Eastern Ontario Division	32,726.94	618.30
	360,457.50	7,359.65
Sub-total	264,342,331.40	2,614,241.30
RURAL POWER DISTRICT		
H-E.P.C. investment	19,260,695.74	877,664.77
Government grants	18,933,371.31	851,593.20
	38,194,067.05	1,729,257.97
RURAL LINES		
Niagara Division	20,058.42	....
Georgian Bay Division	922.02	....
	20,980.44	....
Southern Ontario system—Total	302,557,378.89	4.343.499.27
THUNDER BAY SYSTEM:		
Power plants	15,737,491.83	577,953.63
Transformer stations	1,256,175.44	8,396.70
Transmission lines	2,683,031.01	2,472.75
Local systems	85,527.88	1,031.37
Sub-total	19,762,226.16	589,854.45
RURAL POWER DISTRICT		
H-E.P.C. investment	250,416.45	8,453.29
Government grants	250,416.44	8,453.29
	500,832.89	16,906.58
Thunder Bay system—Total	20,263,059.05	606,761.03
SERVICE AND ADMINISTRATIVE BUILDINGS AND EQUIPMENT:		
Toronto—University avenue	2,906,493.85	38,248.66
—Elm and Centre streets	160,821.95	....
—Strachan avenue	562,864.44	11,736.47
Other properties and equipment	622,245.08	....
Total	4,252,425.32	49,985.13
Grand total	327,072,863.26	5,000,245.43
Less: Grants in aid of construction:		
Province of Ontario for rural power districts	19,183,787.75	829,797.85
Total fixed assets	307,889,075.51	4,170,447.58

COMMISSION OF ONTARIO

DURING YEAR ENDED OCTOBER 31, 1944

Adjustment for equipment re-located	Retirements		Balance at end of year
	Values recovered (stores, sales and salvage)	Charged to reserves for renewals and contingencies	
$ c.	$ c.	$ c.	$ c.
12,000.00			237,217.69
3,059.93	*122.00*		106,072.29
		430.03	32,915.21
8,940.07	*122.00*	*430.03*	376,205.19
1,592.52	*588,116.16*	*2,629,751.07*	263,740,297.99
796.26	*4,822.43*	*23,287.77*	20,109,454.05
796.26	*4,822.41*	*23,287.76*	19,756,058.08
1,592.52	*9,644.84*	*46,575.53*	39,865,512.13
	19,617.60		440.82
			922.02
	19,617.60		1,362.84
	617,378.60	*2,676,326.60*	303,607,172.96
	1,267.59	*1,569.13*	16,312,608.74
	338.42	*6,290.58*	1,257,943.14
			2,685,503.76
		30.00	86,529.25
	1,606.01	*7,889.71*	20,342,584.89
	731.77	*610.46*	257,527.51
	731.76	*610.45*	257,527.52
	1,463.53	*1,220.91*	515,055.03
	3,069.54	*9,110.62*	20,857,639.92
			2,944,742.51
		47,499.95	113,322.00
			574,600.91
			622,245.08
		47,499.95	4,254,910.50
	620,448.14	*2,732,937.17*	328,719,723.38
			20,013,585.60
	620,448.14	*2,732,937.17*	308,706,137.78
	Renewals	*901,432.36*	
	Contingencies	*1,831,504.81*	
		2,732,937.17	

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

CAPITAL EXPENDITURES AND GRANTS—RURAL POWER DISTRICTS

Summary at October 31, 1944

Statement showing the Total Capital Expenditures to October 31, 1944, on the construction of Primary and Secondary lines in Rural Power Districts; the investment in lines in operation; also the amounts of the Grants (fifty per cent of both Primary and Secondary lines) paid or payable to the Commission by the Province of Ontario up to October 31, 1944

System	Total capital expenditure	In operation	Grants (50% of Primary and Secondary lines) paid or payable by the Province as authorized by Orders-in-Council*
	$ c.	$ c.	$ c.
Southern Ontario system	39,865,512.13	39,865,512.13	19,756,058.08
Thunder Bay system	515,055.03	515,055.03	257,527.52
Sub-total	40,380,567.16	40,380,567.16	20,013,585.60
Northern Ontario Properties	876,632.36	832,003.33	412,901.78
Totals	41,257,199.52	41,212,570.49	20,426,487.38

*Grants not made by Province in respect of a summer resort, street lighting systems, service buildings, amounts paid for business already established and one transformer station.

NOTE:

The Grants paid over by the Province to the Commission up to October 31, 1944, on account of authorized grants to rural power districts—amount to	$20,460,108.10	
The Grants payable by the Province—as above set out—in respect of rural power districts as at October 31, 1944, amount in the aggregate to	20,426,487.38	
A balance of		$33,620.72
Which balance represents: Grant funds in the hands of the Commission at October 31, 1944, not allocated, but to apply against the construction of authorized rural power districts and extension to existing districts		$33,620.72

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Account with

The Provincial Treasurer of the Province of Ontario

As at October 31, 1944

ADVANCES FROM THE PROVINCE OF ONTARIO

	Total	Northern Ontario Properties operated for the Province of Ontario	Southern Ontario and Thunder Bay systems operated on a "cost basis"
	$ c.	$ c.	$ c.
ADVANCES FOR CAPITAL EXPENDITURES:			
Cash advances made by the Province to the Commission for capital expenditures purposes during the years 1909 to 1934, inclusive.............	207,250,258.34	8,331,113.46	198,919,144.88
Cash returned by the Commission to the Province on April 30, 1935, to cover the difference between advances made by the Province to the Commission during the year ended October 31, 1934, and the capital expenditures made out of such advances by the Commission in that year.....	247,507.98	74,001.99	173,505.99
Total advances for capital expenditures......	207,002,750.36	8,257,111.47	198,745,638.89
REPAYMENT OF ADVANCES—1926 to 1933:			
Cash repayments made by the Commission annually to October 31, 1933, in accordance with the 1926 debt retirement plan..................	17,008,616.73	3,061.39	17,005,555.34
Balance of advances at October 31, 1934 (before deducting $2,412,398.33 on deposit with the Province at that date for debt retirement).....	189,994,133.63	8,254,050.08	181,740,083.55
REPAYMENT OF ADVANCES—1934 to 1944:			
Cash repayments made by the Commission under a new retirement plan, equal to the maturities in the period November 1, 1934 to October 31, 1944, of Province of Ontario bonds allocated as issued for the Commission's purposes— Total to October 31, 1943.......83,179,644.51 During the year ended October 31, 1944....................10,443,573.87	93,623,218.38	2,615,875.36	91,007,343.02
Balance of advances at October 31, 1944.........	96,370,915.25	5,638,174.72	90,732,740.53
Payable in the following currencies:—			
Canadian.............................	18,323,686.61	633,379.20	17,690,307.41
Sterling.............................	71,202.66	768.80	70,433.86
Canadian or New York.................	8,718,026.01	4,799.73	8,713,226.28
Canadian, New York or Sterling........	69,257,999.97	4,999,226.99	64,258,772.98
	96,370,915.25	5,638,174.72	90,732,740.53

THE HYDRO-ELECTRIC POWER

Funded Debt Issued or Assumed

Description	Application of proceeds	Date of issue
SOUTHERN ONTARIO AND THUNDER BAY	SYSTEMS:	
1½% H-E.P.C. debentures...........	Refunding Province of Ontario advances	Sept. 1, 1944
2½% H-E.P.C. serial debentures......	Refunding H-E.P.C. 1941 debentures and financing plant extensions.......	Feb. 15, 1941
2½% and 3% H-E.P.C. serial debentures.....................	Refunding H-E.P.C. 1941 and 1942 debentures........................	May 1, 1942
5% Ontario Transmission Company bonds.........................	Ontario Transmission Company........	May 1, 1905
2½% H-E.P.C. debentures...........	Refunding Prov. of Ont. advances, etc...	June 15, 1936
2½% and 3% H-E.P.C. serial debentures.....................	Refunding Prov. of Ont. advances......	Aug. 1, 1942
2%, 2½% and 3% H-E.P.C. debentures....	Refunding in part H-E.P.C. 1943 debentures and Province of Ontario advances.........................	Feb. 1, 1943
2½% and 3% " "	Refunding in part Ontario Power Company bonds....................	Jan. 1, 1943
3% " "	Financing plant extensions............	Aug. 1, 1938
2¼% and 2¾% " "	Refunding Province of Ontario advances	Sept. 1, 1943
3¼% " "	Refunding H-E.P.C. 1938 debentures...	Feb. 1, 1938
4% " "	Ontario Power Company..............	Aug. 1, 1917
4% " "	Essex system........................	June 1, 1918
4% " "	Thorold system......................	Dec. 1, 1918
4¾% " "	Dominion Power and Transmission Co...	Jan. 1, 1930
NORTHERN ONTARIO PROPERTIES:		
2½% H-E.P.C. serial debentures	Refunding H-E.P.C. 1941 debentures...	Feb. 15, 1941
2½% and 3% " " "	Refunding H-E.P.C. 1942 debentures...	May 1, 1942
2½% and 3% " " "	Refunding Province of Ontario advances	Aug. 1, 1942
3½% " "	Refunding H-E.P.C. 1937 debentures and financing plant extensions.......	April 1, 1937
3% " "	Financing plant extensions............	Aug. 1, 1938

FUNDED DEBT RELATING TO ALL PROPERTIES VESTED IN OR OPERATED BY THE COMMISSION (at par of exchange) ....

COMMISSION OF ONTARIO

as at October 31, 1944

Date of maturity	Matured and paid during year	Principal outstanding October 31, 1944	Interest for the year 1943-1944	Where payable
	$ c.	$ c.	$ c.	
Sept. 1, 1945–1947	....	5,000,000.00	12,500.00	N.Y.
Feb. 15, 1945–1949	1,500,000.00	7,500,000.00	198,437.50	Canada
May 1, 1945–1952	250,000.00	2,000,000.00	56,875.00	Canada
May 1, 1945	15,000.00	1,035,000.00	52,025.00	N.Y.
June 15, 1944	10,000,000.00	....	156,250.00	Canada
Aug. 1, 1945-1947	885,400.00	2,656,200.00	91,860.25	N.Y.
Feb. 1, 1946–1951	....	10,000,000.00	270,000.00	Canada
Jan. 1, 1948–1953	....	7,000,000.00	200,000.00	N.Y.
Aug. 1, 1948	....	7,740,000.00	232,200.00	Canada
Sept. 1, 1948–1953	....	7,500,000.00	183,750.00	N.Y.
Feb. 1, 1953	....	9,000,000.00	292,500.00	Canada
Aug. 1, 1957	....	8,000,000.00	320,000.00	C.,N.Y.,L.
June 1, 1958	....	200,000.00	8,000.00	Canada
Dec. 1, 1958	....	100,000.00	4,000.00	Canada
Jan. 1, 1970	....	11,864,000.00	563,540.00	Canada
	12,650,400.00	79,595,200.00	2,641,937.75	
Feb. 15, 1945–1949	375,000.00	1,875,000.00	49,609.37	Canada
May 1, 1945–1952	750,000.00	6,000,000.00	170,625.00	Canada
Aug. 1, 1945–1947	14,600.00	43,800.00	1,514.75	N.Y.
April 1, 1947	....	8,000,000.00	280,000.00	Canada
Aug. 1, 1948	....	4,760,000.00	142,800.00	Canada
	1,139,600.00	20,678,800.00	644,549.12	
....	13,790,000.00	100,274,000.00	3,286,486.87	

Payable in the following currencies:	$ c.	$ c.
Canadian..........................	69,039,000.00	2,424,836.87
Canadian, New York or Sterling......	8,000,000.00	320,000.00
New York..........................	23,235,000.00	541,650.00
	100,274,000.00	3,286,486.87

THE HYDRO-ELECTRIC POWER

Power Accounts Receivable

System or property	Interim power bills	Accumulated amount standing as a charge or credit on October 31, 1944		Net total for wholesale consumers
		Charge	Credit	
	$ c.	$ c.	$ c.	$ c.
SOUTHERN ONTARIO SYSTEM:				
Municipalities	2,850,327.27	....	3,043,169.00	(192,841.73)
Companies	1,243,227.87	....	....	1,243,227.87
Local and rural	....	....	....	....
	4,093,555.14	....	3,043,169.00	1,050,386.14
THUNDER BAY SYSTEM:				
Municipalities	71,300.27	....	88,820.72	(17,520.45)
Companies	92,729.45	....	....	92,729.45
Local and rural	....	....	....	....
	164,029.72	....	88,820.72	75,209.00
Grand totals	4,257,584.86	....	3,131,989.72	1,125,595.14

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Renewals Reserves—October 31, 1944

	Southern Ontario system	Thunder Bay system	Service and administrative buildings and equipment	Totals for power undertakings operated on a "cost basis"
	$ c.	$ c.	$ c.	$ c.
Balances at November 1, 1943	52,567,795.05	3,893,323.06	735,973.24	57,197,091.35
Less amount payable to Welland, in respect of rural line transferred	12,665.33	....	....	12,665.33
	52,555,129.72	....	....	57,184,426.02
Provision in the year—direct	2,573,497.34	165,103.09	....	2,738,600.43
—indirect	....	....	24,477.61	24,477.61
Interest at 4% on reserve balances	2,101,648.40	155,732.92	22,402.01	2,279,783.33
Sub-total	57,230,275.46	4,214,159.07	782,852.86	62,227,287.39
Less:				
Expenditures in the year for renewals	139,098.00	15.05	8,051.63	147,164.68
Amount withdrawn in respect of assets removed from service, etc.	897,653.56	3,778.80	....	901,432.36
Adjustment: Sales and transfer of equipment	145,263.56	1,083.45	....	146,347.01
Balances at October 31, 1944	56,048,260.34	4,209,281.77	774,801.23	61,032,343.34
Account balances:				
Power plants, transmission lines and transformer stations	48,479,242.09	4,162,231.73	....	52,641,473.82
Rural power districts	7,567,977.88	47,050.04	....	7,615,027.92
Rural lines	1,040.37	....	....	1,040.37
Administrative office buildings	....	....	295,926.48	295,926.48
Service buildings and equipment	....	....	478,874.75	478,874.75
	56,048,260.34	4,209,281.77	774,801.23	61,032,343.34

COMMISSION OF ONTARIO

—October 31, 1944

Retail power consumers—local and rural districts	Net total of power accounts receivable	Balance sheet figures		Debit balances three months or more overdue
		Debit balances	Credit balances	
$ c.	$ c.	$ c.	$ c.	$ c.
....	(192,841.73)	332,520.75	525,362.48	....
....	1,243,227.87	1,243,227.87	....	81.17
1,177,326.37	1,177,326.37	1,177,326.37	....	28,612.29
1,177,326.37	2,227,712.51	2,753,074.99	525,362.48	28,693.46
....	(17,520.45)	5.30	17,525.75	....
....	92,729.45	98,760.64	6,031.19	....
13,450.14	13,450.14	13,450.14	....	2,147.13
13,450.14	88,659.14	112,216.08	23,556.94	2,147.13
1,190,776.51	2,316,371.65	2,865,291.07	548,919.42	30,840.59

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Contingencies and Obsolescence Reserves—October 31, 1944

	Southern Ontario system	Thunder Bay system	Totals for power undertakings operated on a "cost basis"
	$ c.	$ c.	$ c.
Balances at November 1, 1943..............	21,185,289.25	2,816,241.48	24,001,530.73
Transferred during the year................	179,278.64	1,083.45	180.362.09
Provision in the year as per cost statement...	9,430,542.93	548,381.71	9,978,924.64
Interest at 4% on reserves' balances.........	847,411.57	107,018.81	954,430.38
Sub-total..........................	31,642,522.39	3,472,725.45	35,115,247.84
Less:			
Contingencies met with during the year..	673,358.91	102,893.06	776,252.00
Terminal building, Hamilton............	24,574.06	....	24,574.06
Write-off of certain assets no longer in service, etc.........................	1,826,172.99	5,331.82	1,831,504.81
Balances at October 31, 1944...............	29,118,416.40	3,364,500.57	32,482,916.97
Account balances:			
Power plants, transmission lines, transformer stations and rural power districts........	29,117,904.81	3,364,500.57	32,482,405.38
Rural lines..........................	511.59	....	511.59
	29,118,416.40	3,364,500.57	32,482,916.97

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Stabilization of Rates Reserves—October 31, 1944

	Southern Ontario system	Thunder Bay		Totals for power undertakings operated on a "cost basis"
		System	Mining area	
	$ c.	$ c.	$ c.	$ c.
Balances at November 1, 1943	15,083,986.64	422,518.78	356,313.15	15,862,818.57
Appropriations in the year as per cost statements.........	....	....	33,793.90	33,793.90
Interest at 4% on reserves balances.................	603,359.47	16,900.75	14,252.52	634,512.74
Adjustments during the year..	118.70	....	....	118.70
Balances at October 31, 1944..	15,687,464.81	439,419.53	404,359.57	16,531,243.91
Account balances:				
Systems..................	15,687,464.81	439,419.53	404,359.57	16,531,243.91

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Sinking Fund Reserves—October 31, 1944

	Southern Ontario system	Thunder Bay system	Service and administrative buildings and equipment	Totals for power underakings operated on a "cost basis"
	$ c.	$ c.	$ c.	$ c.
Balances at November 1, 1943	69,479,214.72	3,685,762.69	721,870.70	73,886,848.11
Amount withdrawn in respect of rural line transferred to Welland.................	19,617.60	....	....	19,617.60
	69,459,597.12			73,867,230.51
Provision in the year				
—direct.................	2,991,625.22	198,242.32	....	3,189,867.54
—indirect...............	....	....	38,995.71	38,995.71
Interest at 4% on reserves balances.................	2,778,383.88	147,430.51	28,874.82	2,954,689.21
Balances at October 31, 1944..	75,229,606.22	4,031,435.52	789,741.23	80,050,782.97
Account balances:				
Systems..................	72,407,606.08	4,011,260.02	....	76,418,866.10
Rural power districts......	2,820,867.77	20,175.50	....	2,841,043.27
Rural lines...............	1,132.37	....	....	1,132.37
Administrative office buildings...............	....	....	520,983.64	520,983.64
Service buildings and equipment.............	....	....	268,757.59	268,757.59
	75,229,606.22	4,031,435.52	789,741.23	80,050,782.97

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

STATEMENTS FOR MUNICIPALITIES

RECEIVING POWER UNDER COST CONTRACTS

For the year ended October 31, 1944

STATEMENTS FOR EACH SYSTEM

Cost of Power

Sinking Fund

Credit or Charge

Rural Operating

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay,

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horsepower supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1943	From Jan. 1, 1944			Cost of power purchased	Operating maintenance and administrative expenses*	Interest
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Acton	28.50	28.50	341,383.33	1,628.5	10,856.02	8,118.05	14,052.71
Agincourt	32.00	29.00	42,768.32	205.8	1,371.92	1,114.57	1,741.98
Ailsa Craig	38.00	37.00	36,558.35	136.5	909.95	1,348.00	1,495.65
Alexandria	50.00	45.00	77,799.42	211.3	1,408.58	1,519.36	3,193.69
Alliston	46.00	40.50	111,293.14	397.3	2,648.51	3,049.51	4,510.97
Alvinston	52.00	45.00	33,108.19	106.1	707.29	1,316.39	1,349.36
Amherstburg	32.00	32.00	224,147.72	956.2	6,374.29	5,001.03	9,218.36
Ancaster Twp.	27.50	27.50	77,764.21	398.7	2,657.84	1,875.04	3,199.61
Apple Hill	44.00	44.00	13,540.92	47.4	315.98	377.31	554.78
Arkona	52.00	45.00	24,453.61	60.1	400.64	343.01	1,007.40
Arnprior	28.00	28.00	208,134.37	1,250.1	8,333.51	5,248.81	8,454.76
Arthur	60.00	45.00	54,114.57	157.1	1,047.27	1,404.90	2,219.44
Athens	45.00	45.00	35,734.83	107.9	719.29	1,013.35	1,461.37
Aurora	27.00	27.00	275,763.10	1,365.2	9,100.80	6,736.76	11,370.74
Aylmer	30.00	30.00	181,324.69	842.2	5,614.33	5,233.28	7,439.35
Ayr	29.50	32.50	52,406.67	218.1	1,453.91	1,369.89	2,170.23
Baden	28.50	28.00	115,904.26	571.2	3,807.77	2,916.08	4,759.72
Barrie	32.50	30.00	752,983.88	4,110.8	27,403.71	20,089.05	30,591.29
Bath	50.00	45.00	15,079.75	43.6	290.65	419.82	600.09
Beachville	28.50	28.50	155,845.31	747.6	4,983.71	3,790.86	6,413.92
Beamsville	26.00	26.00	81,462.87	449.6	2,997.16	1,958.34	3,326.09
Beaverton	39.00	39.00	54,852.89	234.7	1,564.57	2,042.07	2,244.75
Beeton	60.00	45.00	50,941.41	141.6	943.94	1,135.75	2,056.90
Belle River	32.50	32.50	45,500.30	186.0	1,239.93	1,336.27	1,847.19
Belleville	26.00	25.00	1,170,150.57	7,622.4	50,813.00	29,184.70	47,609.34
Blenheim	32.50	32.00	117,845.53	529.9	3,532.46	3,858.29	4,840.92
Bloomfield	45.00	42.00	33,812.47	119.5	796.62	1,123.53	1,376.55
Blyth	42.00	42.00	37,862.97	127.4	849.28	1,373.30	1,558.51
Bolton	35.00	32.00	54,736.81	226.3	1,508.58	1,867.71	2,234.04
Bothwell	38.00	37.00	31,547.50	125.7	837.95	1,236.52	1,293.85
Bowmanville	31.00	29.00	524,298.03	2,791.5	18,608.90	15,208.32	21,334.50
Bradford	48.00	42.50	61,751.49	206.4	1,375.92	2,122.68	2,332.54
Brampton	26.00	26.00	495,124.97	2,696.7	17.976.94	13,655.68	20,385.19
Brantford	23.50	23.50	4,019,089.26	22,432.4	149,540.49	88,971.15	166,124.79
Brantford Twp.	27.50	27.50	208,368.49	1,160.9	7,738.88	8,569.00	8,601.78
Brechin	47.00	45.00	13,904.02	51.9	345.98	546.79	567.61
Bridgeport	31.50	30.50	33,542.33	145.2	967.94	835.31	1,374.35
Brigden	48.00	44.00	26,676.56	85.9	572.63	800.05	1,088.14
Brighton	32.00	30.50	89,924.78	455.0	3,033.15	2,830.61	3,664.05
Brockville	26.00	26.00	883,650.41	4,841.5	32,274.76	20,395.51	36,260.39

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*After crediting the amounts, totalling $9,231.29, required to reduce the costs of power to $39.00 per horsepower maximum.

SYSTEM *S.O.—COST OF POWER*

and Eastern Ontario Divisions

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1944

costs and fixed charges			Revenue received in excess of cost of power sold to private companies	Amount charged* to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for sinking fund	Credit			
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
3,083.63	2,006.55	3,613.77	1,695.60	40,035.13	46,411.79	6,376.66
370.08	244.30	452.75	214.28	5,081.32	6,070.24	988.92
377.55	192.66	386.73	142.12	4,568.42	5,073.24	504.82
1,179.55	340.26	819.27	220.01	8,240.70	9,674.69	1,433.99
1,530.89	545.82	1,173.36	413.67	13,045.39	16,468.37	3,422.98
360.44	164.87	350.02	110.47	4,137.90	4,899.21	761.31
2,102.35	1,279.25	2,374.14	995.60	25,353.82	30,599.46	5,245.64
672.99	467.03	823.99	415.13	9,281.37	10,965.39	1,684.02
186.37	69.48	142.59	49.35	1,597.16	2,084.50	487.34
289.66	107.49	258.28	62.58	2,343.90	2,769.07	425.17
1,935.55	1,339.99	2,191.88	1,301.61	26,202.89	35,002.09	8,799.20
805.66	243.77	569.43	163.57	6,126.90	7,467.52	1,340.62
521.23	160.71	375.66	112.35	4,139.26	4,857.03	717.77
2,330.44	1,605.58	2,919.70	1,421.45	32,642.57	36,860.45	4,217.88
1,661.87	1,055.73	1,917.45	876.90	22,045.11	25,265.75	3,220.64
513.70	299.05	554.61	227.09	6,134.30	6,990.13	855.83
1,017.52	691.02	1,227.22	594.74	13,824.59	16,039.21	2,214.62
7,868.93	4,418.98	7,943.83	4,280.18	94,035.61	125,002.85	30,967.24
215.42	65.50	154.32	45.40	1,700.40	1,997.98	297.58
1,403.56	938.51	1,650.84	778.40	18,403.00	21,307.11	2,904.11
682.74	497.97	857.39	468.13	9,851.56	11,688.49	1,836.93
686.51	297.59	578.45	244.37	7.169.57	9,154.94	1,985.37
771.14	225.17	536.93	147.43	5,522.40	6,797.02	1,274.62
428.24	251.39	475.35	193.66	5,384.71	6,045.55	660.84
9,813.50	7,621.46	12,317.94	7,936.47	149,423.47	191,818.79	42,395.32
1,086.37	679.48	1,247.86	551.73	14,693.65	17,005.42	2,311.77
463.36	166.09	356.07	124.42	4,157.80	5,071.06	913.26
404.98	190.71	400.23	132.65	4,644.36	5,349.40	705.04
521.68	289.70	579.01	235.62	6,765.10	7,336.41	571.31
311.60	174.62	333.84	130.88	4,057.50	4,671.81	614.31
5,512.71	3,155.48	5,521.35	2,906.52	66,434.74	81,904.21	15,469.47
789.16	282.61	606.33	214.90	7,294.34	8,915.96	1,621.62
4,088.63	2,993.91	5,245.10	2,807.82	61,537.63	70,113.31	8,575.68
32,280.88	24,973.21	42,615.11	23,356.69	481,148.94	527,160.99	46,012.05
1,676.22	1,294.28	2,209.34	1,208.73	28,880.77	31,923.84	3,043.07
187.30	70.76	146.60	54.04	1,811.00	2,350.88	539.88
319.85	187.63	354.92	151.18	3,888.82	4,455.77	566.95
289.89	134.57	282.04	89.44	3,077.88	3,833.66	755.78
987.88	547.94	946.99	473.75	11,536.87	14,006.05	2,469.18
9,046.79	5,304.33	9,305.30	5,040.99	107,546.09	125,877.90	18,331.81

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay,

Statement showing the amount chargeable (upon annual adjustment) to each
it by the Commission; the amount received by the Commission
or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horsepower supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1943	From Jan. 1, 1944			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Brussels	42.00	41.50	41,265.35	143.3	955.28	1,538.57	1,694.24
Burford	30.50	29.50	45,261.95	220.7	1,471.25	1,297.33	1,856.74
Burgessville	48.00	41.00	13,889.08	47.4	315.98	535.30	565.15
Caledonia	27.50	27.50	70,917.87	342.6	2,283.86	1,947.28	2,923.21
Campbellville	50.00	45.00	13,445.77	41.4	275.98	478.36	548.04
Cannington	40.00	37.50	44,779.76	198.2	1,321.26	1,737.90	1,825.10
Cardinal	30.00	29.00	60,448.02	318.2	2,121.21	1,597.91	2,463.39
Carleton Place	28.00	28.00	353,471.23	1,838.4	12,255.28	7,231.36	14,460.65
Cayuga	39.00	39.00	38,624.11	121.5	809.95	1,312.44	1,592.07
Chatham	26.50	26.50	1,331,942.87	6,892.9	45,949.95	33,311.16	54,945.74
Chatsworth	40.00	40.00	21,937.30	82.4	549.30	669.60	898.97
Chesley	35.50	34.00	124,843.28	567.6	3,783.78	3,283.82	5,088.53
Chesterville	33.00	33.00	63,374.40	291.5	1,943.22	1,840.90	2,606.71
Chippawa	21.50	21.50	49,303.07	337.6	2,250.53	1,139.93	2,022.10
Clifford	46.00	44.50	35,000.99	106.1	707.29	1,178.68	1,436.60
Clinton	32.50	32.00	155,996.02	675.4	4,502.40	4,253.71	6,401.27
Cobden	52.00	45.00	36,347.08	115.6	770.62	1,296.83	1,485.02
Cobourg	31.00	29.50	412,088.26	2,223.0	14,819.12	12,278.75	16,761.08
Colborne	33.50	33.00	49,793.17	227.5	1,516.58	1,345.77	2,035.68
Coldwater	35.00	35.00	37,474.60	169.1	1,127.27	1,235.74	1,540.43
Collingwood	36.00	31.00	532,426.29	2,762.9	18,418.24	14,171.19	21,479.84
Comber	40.00	39.00	37,677.17	138.1	920.61	1,485.32	1,546.60
Cookstown	45.00	39.00	23,104.04	89.2	594.63	649.54	931.50
Cottam	38.00	38.00	20,403.96	74.3	495.30	653.77	840.22
Courtright	52.00	44.50	16,247.92	47.3	315.31	485.61	661.33
Creemore	45.00	41.50	37,441.94	144.6	963.94	1,467.85	1,523.62
Dashwood	38.00	35.50	29,900.60	111.6	743.96	912.51	1,224.17
Delaware	31.00	30.50	14,558.05	70.7	471.31	485.27	597.93
Delhi	31.00	31.00	114,737.47	502.0	3,346.47	2,982.34	4,729.97
Deseronto	43.00	38.00	56,361.86	238.1	1,587.24	1,600.22	2,285.20
Dorchester	33.00	33.00	23,116.19	99.8	665.29	711.30	955.87
Drayton	48.00	45.00	50,163.35	134.1	893.95	1,069.53	2,062.65
Dresden	35.00	33.50	106,456.27	451.3	3,008.49	2,985.30	4,359.80
Drumbo	35.00	33.00	23,023.23	102.3	681.96	736.36	942.71
Dublin	44.00	43.50	15,979.65	52.9	352.65	682.44	656.02
Dundalk	37.00	34.00	47,210.14	225.8	1,505.24	1,774.03	1,913.33
Dundas	22.50	22.50	532,979.77	3,073.6	20,489.46	11,507.32	22,048.59
Dunnville	25.00	25.00	273,104.31	1,372.2	9,147.46	6,536.32	11,186.61
Durham	39.00	35.50	88,121.30	407.0	2,713.17	3,079.50	3,578.47
Dutton	32.50	32.50	56,870.06	251.5	1,676.57	2,026.60	2,337.14

SYSTEM *S.O.—COST OF POWER*

and Eastern Ontario Divisions

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1944

costs and fixed charges			Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for sinking fund	Credit			
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
435.67	211.21	436.24	149.20	5,122.01	5,958.45	836.44
403.40	269.92	479.50	229.79	5,548.35	6,541.03	992.68
149.11	69.03	146.88	49.35	1,732.10	1,993.21	261.11
639.73	424.24	751.18	356.72	8,612.78	9,422.65	809.87
149.60	64.25	141.48	43.11	1,614.60	1,898.43	283.83
548.90	244.89	472.25	206.37	5,943.93	7,498.99	1,555.06
642.01	368.52	636.54	331.31	7,498.27	9,274.78	1,776.51
3,794.18	2,082.42	3,722.37	1,914.15	41,632.11	51,474.00	9,841.89
428.97	189.67	408.28	126.51	4,614.87	4,739.47	124.60
11,116.73	8,092.14	14,115.65	7,176.91	160,354.46	182,662.47	22,308.01
294.55	123.19	231.27	85.80	2,681.08	3,295.65	614.57
1,504.00	702.63	1,316.66	590.99	15,088.43	19,438.97	4,350.54
755.66	357.49	671.33	303.51	7,871.80	9,619.82	1,748.02
340.83	322.95	519.27	351.51	6,244.10	7,258.76	1,014.66
386.60	169.21	369.99	110.47	4,137.90	4,747.36	609.46
1,475.98	867.13	1,650.76	703.23	18,448.02	21,664.20	3,216.18
521.00	172.54	382.75	120.36	4,508.40	5,318.44	810.04
4,281.34	2,528.55	4,339.68	2,314.60	52,693.92	66,134.55	13,440.63
590.56	297.67	524.36	236.87	6,073.75	7,527.18	1,453.43
453.70	214.29	395.22	176.07	4,790.58	5,916.76	1,126.18
5,815.56	3,066.75	5,616.47	2,876.74	65,691.31	87,980.53	22,289.22
391.25	194.83	398.55	143.79	4,793.37	5,412.73	619.36
306.06	122.23	243.61	92.88	2,754.69	3,563.12	808.43
207.82	106.06	215.69	77.36	2,441.50	2,824.03	382.53
183.01	76.98	171.71	49.25	1,844.70	2,163.50	318.80
495.91	190.28	394.79	150.56	4,885.83	6,078.68	1,192.85
308.84	156.27	316.30	116.20	3,545.85	4,003.70	457.85
129.89	86.73	154.21	73.61	1,851.73	2,160.64	308.91
1,089.67	645.41	1,214.77	522.68	13,485.95	15,563.27	2,077.32
702.75	322.85	593.37	247.91	6,843.72	9,237.95	2,394.23
222.88	129.25	245.44	103.91	2,826.12	3,293.96	467.84
577.26	236.27	529.87	139.63	5,229.90	6,101.76	871.86
1,016.59	595.70	1,126.90	469.90	12,622.88	15,234.85	2,611.97
217.56	129.99	243.73	106.52	2,845.79	3,406.27	560.48
172.03	86.14	168.90	55.08	2,063.10	2,306.48	243.38
549.23	269.27	497.94	235.10	6,273.94	7,794.76	1,520.82
4,190.49	3,339.81	5,651.85	3,200.24	64,027.28	69,155.20	5,127.92
2,442.10	1,536.26	2,868.57	1,428.74	32,288.58	34,305.59	2,017.01
1,050.49	483.59	929.39	423.77	11,410.84	14,659.90	3,249.06
537.83	325.81	601.77	261.86	7,243.86	8,172.41	928.55

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay,

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1943	From Jan. 1, 1944			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
East York Twp...	27.50	26.00	1,554,151.99	8,766.2	58,437.88	35,036.43	63,622.48
Elmira..........	29.00	29.00	267,882.06	1,297.4	8,648.82	5,973.43	11,041.48
Elmvale.........	39.50	36.00	33,060.40	158.2	1,054.60	1,538.73	1,338.18
Elmwood........	42.50	42.50	19,110.31	64.5	429.97	684.67	789.46
Elora...........	31.50	31.00	105,373.24	454.4	3,029.15	2,650.89	4,323.10
Embro..........	37.00	33.00	39,630.12	164.9	1,099.27	1,055.75	1,619.23
Erieau..........	48.00	42.50	40,865.56	135.9	905.95	1,437.69	1,668.48
Erie Beach......	52.00	45.00	6,087.48	17.5	116.66	172.55	250.44
Essex...........	31.50	30.50	133,677.89	578.5	3,856.44	2,969.60	5,469.54
Etobicoke Twp...	23.50	24.50	1,477,267.76	8,061.9	53,742.83	35,698.27	61,173.16
Exeter..........	32.00	32.00	171,692.22	740.7	4,937.71	4,889.55	7,059.99
Fergus..........	30.50	29.50	285,677.08	1,301.7	8,677.49	7,032.68	11,702.28
Finch...........	41.00	41.00	26,416.32	97.2	647.96	922.74	1,086.85
Flesherton.......	45.00	43.00	15,362.56	62.9	419.31	741.63	626.73
Fonthill.........	29.50	29.50	36,860.11	181.5	1,209.93	986.30	1,505.63
Forest..........	38.00	36.50	146,189.05	564.8	3,765.11	4,692.94	5,997.00
Forest Hill......	24.50	24.50	1,173,273.88	6,757.4	45,046.67	25,849.88	48,313.77
Galt............	24.00	24.00	2,069,664.36	11,420.3	76,130.83	49,606.26	84,976.35
Georgetown......	30.50	30.50	407,632.53	1,818.3	12,121.28	10,159.01	16,764.19
Glencoe.........	46.00	44.50	63,310.42	192.6	1,283.92	2,153.44	2,598.39
Goderich........	35.00	34.00	429,878.16	1,691.0	11,272.67	11,709.90	17,637.15
Grand Valley....	51.00	45.00	42,051.55	146.8	978.61	1,721.43	1,710.66
Granton.........	40.00	39.50	19,038.69	71.2	474.64	790.24	781.31
Gravenhurst.....	25.00	25.00	212,210.14	1,168.9	7,792.21	5,507.07	8,754.47
Grimsby........	26.00	26.00	171,694.79	857.2	5,714.33	4,290.48	7,057.17
Guelph..........	23.50	23.50	2,111,125.25	11,760.1	78,396.03	51,617.99	87,272.91
Hagersville......	28.50	28.50	206,511.01	905.5	6,036.31	5,688.62	8,513.89
Hamilton........	22.00	22.00	26,362,561.79	157,207.1	1,047,985.38	556,833.48	1,090,098.51
Hanover........	32.00	30.00	252,325.72	1,355.8	9,038.13	6,461.14	10,267.43
Harriston.......	37.50	36.00	124,656.83	466.8	3,111.82	3,966.96	5,113.35
Harrow.........	33.50	33.50	140,128.39	563.4	3,755.78	3,468.36	5,752.78
Hastings........	41.00	40.00	28,757.56	116.1	773.95	1,052.61	1,173.06
Havelock........	45.00	45.00	45,244.17	138.5	923.28	1,353.47	1,820.34
Hensall.........	41.00	39.00	59,007.06	195.5	1,303.26	1,764.99	2,418.25
Hespeler........	24.50	24.50	510,120.52	2,823.1	18,819.55	12,901.52	20,924.83
Highgate........	40.00	37.00	26,620.04	99.4	662.63	929.80	1,089.31
Holstein.........	62.00	45.00	7,983.33	19.5	129.99	80.39	328.16
Humberstone....	24.50	24.50	111,311.79	588.0	3,919.77	2,542.01	4,566.08
Huntsville.......	28.00	28.00	264.649.62	1,202.4	8,015.53	7,086.96	10,941.58
Ingersoll........	25.50	25.50	652,290.09	3,426.7	22,843.32	15,536.99	26,915.73

SYSTEM

S.O.—COST OF POWER

and Eastern Ontario Divisions

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1944

costs and fixed charges			Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for sinking fund	Credit			
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
11,749.84	9,427.11	16,467.42	9,127.40	185,613.76	230,377.93	44,764.17
2,380.50	1,578.20	2,836.13	1,350.86	31,107.70	37,624.82	6,517.12
384.48	191.87	348.70	164.72	4,691.84	5,793.10	1,101.26
269.38	106.55	201.47	67.16	2,414.34	2,742.67	328.33
1,012.17	599.42	1,114.88	473.12	12,256.49	14,122.96	1,866.47
388.41	222.26	419.47	171.69	4,632.70	5,551.20	918.50
438.25	200.86	432.09	141.50	4,941.82	5,846.56	904.74
68.81	27.93	64.33	18.22	682.50	803.51	121.01
1,240.31	762.83	1,414.16	602.34	15,110.54	17,744.38	2,633.84
12,156.83	9,152.75	15,649.62	8,394.08	179,179.38	196,084.51	16,905.13
1,648.43	964.27	1,817.53	771.22	20,546.26	23,701.05	3,154.79
2,656.83	1,639.32	3,023.37	1,355.33	33,376.64	38,603.05	5,226.41
357.66	132.42	279.50	101.20	3,325.93	3,985.56	659.63
197.23	80.04	162.00	65.49	2,161.45	2,724.20	562.75
335.16	220.10	387.92	188.98	4,456.06	5,354.51	898.45
1,467.85	801.08	1,546.77	588.07	17,682.68	20,756.23	3,073.55
8,696.56	7,195.01	12,459.15	7,035.83	140,525.21	165,555.25	25,030.04
16,603.88	12,743.33	21,827.62	11,890.86	249,997.41	274,087.00	24,089.59
3,839.95	2,306.83	4,313.59	1,893.22	47,611.63	55,459.45	7,847.82
702.03	304.98	669.18	200.54	7,511.40	8,619.68	1,108.28
4,285.07	2,265.85	4,546.95	1,760.68	49,956.91	57,766.44	7,809.53
582.54	206.51	442.44	152.85	5,489.34	6,750.33	1,260.99
196.48	100.33	201.40	74.13	2,470.27	2,817.31	347.04
2,199.52	1,261.12	2,238.81	1,217.06	26,536.14	29,221.64	2,685.50
1,547.37	1,004.06	1,807.15	892.52	20,528.04	22,285.88	1,757.84
16,955.90	13,179.34	22,367.37	12,244.65	257,544.89	276,361.92	18,817.03
1,976.92	1,182.81	2,186.22	942.81	24,641.96	25,806.28	1,164.32
200,867.56	167,559.40	279,588.43	163,684.58	3,179,248.18	3,458,556.34	279,308.16
2,674.90	1,515.61	2,661.91	1,411.66	31,207.46	41,121.65	9,914.19
1,260.85	671.14	1,318.94	486.03	14,957.03	16,914.00	1,956.97
1,357.02	781.25	1,481.91	586.61	16,010.49	18,873.06	2,862.57
368.12	157.93	302.74	120.88	3,707.53	4,662.98	955.45
639.39	213.44	466.57	144.21	5,272.28	6,234.41	962.13
640.44	288.74	623.88	203.56	6,836.00	7,697.99	861.99
4,080.72	3,146.19	5,379.11	2,939.42	62,312.50	69,164.73	6,852.23
271.47	138.97	281.59	103.50	3,270.27	3,735.32	465.05
125.56	32.57	84.13	20.30	760.50	930.09	169.59
959.79	693.75	1,171.57	612.23	13,240.74	14,406.20	1,165.46
3,189.71	1,418.75	2,791.12	1,251.94	32,191.71	33,666.01	1,474.30
5,502.72	3,964.60	6,913.49	3,567.90	78,108.95	87,381.50	9,272.55

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay,

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1943	From Jan. 1, 1944			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Iroquois	27.50	27.50	42,510.62	241.7	1,611.24	1,080.87	1,738.72
Jarvis	35.50	35.50	52,623.72	186.0	1,239.93	1,485.92	2,163.97
Kemptville	35.00	35.00	87,558.22	354.0	2,359.86	2,108.20	3,581.87
Kincardine	42.00	38.50	186,598.49	731.3	4,875.05	4,893.93	7,580.45
Kingston	28.00	26.00	2,366,267.75	14,726.1	98,168.20	56,017.94	95,796.48
Kingsville	32.50	32.50	148,344.96	599.5	3,996.43	3,426.11	6,093.07
Kirkfield	55.00	45.00	9,631.54	25.5	169.99	165.68	394.11
Kitchener	23.50	23.50	4,861,892.28	27,213.6	181,413.28	107,587.52	200,679.69
Lakefield	33.00	28.00	77,060.58	424.3	2,828.50	2,029.86	3,098.22
Lambeth	34.00	33.00	30,305.22	124.3	828.62	873.34	1,242.60
Lanark	40.00	40.00	24,369.37	83.8	558.63	727.38	1,001.19
Lancaster	52.00	45.00	17,221.24	45.7	304.65	298.94	707.32
La Salle	32.50	31.50	59,735.97	262.3	1,748.56	1,544.76	2,452.05
Leamington	32.50	32.00	435,568.65	1,770.5	11,802.64	10,232.73	17,897.86
Lindsay	33.00	30.00	713,854.20	3,641.3	24,273.90	23,188.85	28,864.05
Listowel	30.50	30.50	341,870.69	1,494.9	9,965.41	9,465.93	14,078.33
London	23.00	23.00	7,130,301.12	39,849.7	265,648.97	163,611.14	295,151.07
London Twp.	28.50	28.50	113,621.43	547.5	3,649.78	2,861.51	4,674.12
Long Branch	25.50	25.50	235,878.39	1,275.3	8,501.50	5,815.74	9,712.47
Lucan	31.50	31.50	42,219.71	190.2	1,267.93	1,294.44	1,735.18
Lucknow	48.00	43.00	115,513.55	411.4	2,742.50	3,121.34	4,701.48
Lynden	32.00	32.00	25,785.80	115.7	771.29	766.43	1,060.02
Madoc	45.00	42.50	49,396.07	199.3	1,328.59	2,319.29	2,014.50
Markdale	37.00	34.50	36,854.01	179.5	1,196.60	1,482.21	1,495.81
Markham	31.50	29.50	79,705.70	368.2	2,454.52	2,148.61	3,262.87
Marmora	38.00	36.00	31,668.17	131.6	877.28	1,055.20	1,291.65
Martintown	38.00	38.00	9,107.88	39.0	259.98	307.06	373.06
Maxville	47.00	45.00	35,749.66	105.5	703.29	818.27	1,467.69
Meaford	39.00	35.50	163,088.31	720.8	4,805.05	4,853.92	6,628.91
Merlin	38.00	35.50	21,380.05	82.0	546.63	646.55	873.99
Merritton	20.00	20.50	1,790,476.59	11,735.7	78,233.38	37,460.90	73,664.71
Midland	31.50	29.00	830,282.17	4,703.4	31,354.15	23,167.07	33,713.99
Mildmay	42.00	39.00	36,200.93	142.4	949.28	1,111.26	1,429.72
Millbrook	40.00	34.00	24,163.86	100.3	668.63	775.68	944.47
Milton	28.50	28.50	284,676.80	1,453.1	9,686.76	8,099.33	11,700.53
Milverton	30.50	30.50	92,826.47	397.7	2,651.18	2,613.62	3,826.01
Mimico	22.50	23.50	468,163.97	2,704.8	18,030.93	11,686.94	19,387.22
Mitchell	29.50	29.50	158,821.05	756.9	5,045.71	4,460.21	6,529.83
Moorefield	52.00	45.00	19,815.64	49.9	332.65	317.10	816.20
Morrisburg	32.50	30.50	59,500.69	293.2	1,954.55	1,437.79	2,419 66

SYSTEM *S.O.—COST OF POWER*

and Eastern Ontario Divisions

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1944

costs and fixed charges			Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality
Provision for renewals	Provision for contingencies and obsolescence	Provision for sinking fund	Credit			Credited (Charged)
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
419.58	264.08	447.66	251.66	5,310.49	6,646.74	1,336.25
559.16	274.80	556.53	193.66	6,086.65	6,602.14	515.49
1,120.53	461.37	922.07	368.59	10,185.31	12,389.11	2,203.80
2,452.76	941.75	1,967.53	761.43	21,950.04	28,557.28	6,607.24
21,071.10	14,995.48	24,909.57	15,332.87	295,625.90	387,593.75	91,967.85
1,432.55	832.05	1,568.84	624.20	16,724.85	19,485.09	2,760.24
148.02	41.74	101.51	26.55	994.50	1,188.33	193.83
38,576.27	30,283.81	51,517.45	28,334.90	581,723.12	639,519.78	57,796.66
785.29	467.85	811.52	441.78	9,579.46	12,250.10	2,670.64
299.03	164.55	320.73	129.42	3,599.45	4,122.74	523.29
338.09	120.25	256.62	87.25	2,914.91	3,352.66	437.75
263.00	74.62	181.35	47.58	1,782.30	2,112.59	330.29
550.43	343.89	632.82	273.11	6,999.40	8,304.13	1,304.73
4,192.65	2,383.69	4,606.54	1,843.45	49,272.66	56,794.29	7,521.63
7,766.47	4,167.13	7,505.22	3,791.33	91,974.29	111,125.08	19,150.79
3,175.23	1,968.19	3,618.28	1,556.50	40,714.87	45,595.72	4,880.85
57,076.05	44,539.06	75,593.19	41,491.65	860,127.83	916,543.27	56,415.44
1,019.15	670.46	1,203.54	570.06	13,508.50	15,604.24	2,095.74
1,959.48	1,455.49	2,498.67	1,327.85	28,615.50	32,521.00	3,905.50
395.27	246.42	447.04	198.04	5,188.24	5,989.73	801.49
1,590.63	570.68	1,217.85	428.35	13,516.13	18,042.82	4,526.69
243.58	147.53	273.02	120.47	3,141.40	3,701.36	559.96
635.79	271.55	521.72	207.51	6,883.93	8,558.43	1,674.50
423.09	205.74	388.73	186.90	5,005.28	6,268.06	1,262.78
708.50	456.36	843.59	383.37	9,491.08	10,974.55	1,483.47
400.30	184.37	334.22	137.02	4,006.00	4,782.61	776.61
112.68	49.72	95.91	40.61	1,157.80	1,482.63	324.83
527.04	165.23	376.46	109.85	3,948.13	4,780.96	832.83
2,000.93	874.51	1,719.94	750.50	20,132.76	26,008.73	5,875.97
215.27	115.91	226.20	85.38	2,539.17	2,950.66	411.49
12,782.38	11,718.89	18,842.95	12,219.25	220,483.96	239,554.77	19,070.81
8,378.31	4,890.28	8,759.94	4,897.20	105,366.54	138,381.93	33,015.39
454.26	187.33	370.83	148.27	4,354.41	5,623.51	1,269.10
289.18	133.90	246.35	104.43	2,953.78	3,498.94	545.16
2,471.36	1,662.70	3,014.59	1,512.97	35,122.30	41,413.12	6,290.82
872.86	535.28	982.35	414.09	11,067.21	12,128.31	1,061.10
3,674.19	2,935.59	4,961.30	2,816.25	57,859.92	63,083.27	5,223.35
1,414.09	931.76	1,681.48	788.09	19,274.99	22,329.31	3,054.32
232.05	90.79	209.27	51.96	1,946.10	2,292.92	346.82
667.66	358.19	626.60	305.28	7,159.17	9,035.25	1,876.08

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay,

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horsepower supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1943	From Jan. 1, 1944			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Mount Brydges	34.00	32.50	21,689.04	97.7	651.29	880.01	888.04
Mount Forest	44.00	41.50	131,595.41	499.5	3,329.80	4,816.72	5,360.36
Napanee	30.00	29.00	235,932.29	1,352.7	9,017.47	8,019.54	9,599.91
Neustadt	55.00	39.00	10,696.73	45.5	303.32	487.72	413.56
Newbury	45.00	42.00	9,570.87	34.1	227.32	400.82	391.10
Newcastle	33.50	32.50	35,166.34	155.8	1,038.61	871.80	1,432.80
New Hamburg	29.50	29.00	134,617.97	637.2	4,247.75	3,311.81	5,531.20
New Toronto	25.50	25.50	2,313,851.28	12,052.4	80,344.58	59,112.04	95,557.55
Niagara Falls	17.75	18.50	1,302,724.12	10,532.8	70,214.51	30,141.13	53,688.15
Niagara-on-the-Lake	22.50	22.50	133,409.63	862.8	5,751.66	3,606.13	5,385.06
North York Twp.	27.50	27.00	1,988,308.93	10,364.9	69,095.24	47,834.35	81,831.08
Norwich	30.50	30.00	91,699.48	421.8	2,811.83	2,334.03	3,764.78
Norwood	35.50	34.00	30,027.38	146.3	975.28	1,082.26	1,224.44
Oil Springs	37.50	35.00	44,458.87	180.0	1,199.93	1,559.06	1,814.69
Omemee	35.00	33.00	40,643.77	185.0	1,233.26	1,195.65	1,650.15
Orangeville	43.00	40.50	179,826.32	715.3	4,768.38	6,166.63	7,314.75
Orono	38.00	38.00	25,886.29	96.8	645.30	869.34	1,062.68
Oshawa	30.50	29.50	3,424,860.66	17,924.6	119,490.27	92,853.50	139,509.79
Ottawa (11,000-volt)	....	....	964.69	19,649.1	216,139.90	11,603.46	39.62
Ottawa	20.50	21.50	2,420,907.72	17,083.9	113,885.93	56,017.51	99,805.93
Otterville	38.00	34.50	26,537.23	103.8	691.96	732.66	1,080.35
Owen Sound	32.00	30.50	1,146,543.34	5,960.8	39,736.32	28,797.53	46,774.90
Paisley	47.00	45.00	33,812.96	111.3	741.96	1,136.04	1,382.73
Palmerston	33.00	33.00	150,341.73	589.9	3,932.43	4,505.99	6,199.96
Paris	24.50	24.50	352,146.78	1,935.3	12,901.24	8,362.47	14,537.45
Parkhill	48.00	44.00	67,045.87	204.3	1,361.92	2,302.37	2,738.27
Penetanguishene	35.00	31.00	202,639.34	1,032.0	6,879.59	5,894.93	8,212.88
Perth	28.00	28.00	329,773.14	1,777.2	11,847.30	7,280.55	13,470.06
Peterborough	26.00	25.50	1,965,445.73	12,235.1	81,562.51	47,109.15	80,163.23
Petrolia	34.00	32.50	266,029.53	1,147.3	7,648.21	7,746.87	10,875.55
Picton	38.00	34.50	289,586.35	1,232.6	8,216.85	8,181.63	11,764.68
Plattsville	42.00	37.00	37,453.47	141.2	941.28	1,230.77	1,521.12
Point Edward	32.00	32.00	357,833.51	1,729.7	11,530.65	14,395.52	14,711.66
Port Colborne	24.50	24.50	370,414.65	1,956.7	13,043.90	8,171.07	15,177.16
Port Credit	28.00	27.50	173,377.05	912.0	6,079.64	4,271.61	7,110.85
Port Dalhousie	25.50	25.50	171,831.05	960.1	6,400.29	3,839.17	7,019.21
Port Dover	32.50	32.50	116,620.16	488.9	3,259.14	3,165.67	4,796.00
Port Elgin	39.00	37.00	123,044.26	489.3	3,261.81	3,218.45	5,019.08
Port Hope	31.00	30.00	451,663.41	2,487.5	16,582.35	16,095.81	18,370.62
Port McNicoll	37.00	35.00	21,313.17	99.2	661.29	691.19	869.22

SYSTEM *S.O.—COST OF POWER*

and Eastern Ontario Divisions

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1944

costs and fixed charges			Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for sinking fund	Credit			
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
203.06	123.79	229.65	101.73	2,874.11	3,198.31	324.20
1,758.17	661.41	1,387.51	520.08	16,793.89	20,934.16	4,140.27
2,307.00	1,488.08	2,483.70	1,408.44	31,507.26	39,445.09	7,937.83
134.35	56.44	112.80	47.37	1,460.82	1,895.44	434.62
99.72	49.91	101.23	35.51	1,234.59	1,447.25	212.66
425.76	206.23	370.33	162.22	4,183.31	5,090.17	906.86
1,214.93	783.87	1,425.06	663.45	15,851.17	18,528.00	2,676.83
19,788.14	14,219.48	24,505.37	12,549.00	280,978.16	307,335.96	26,357.80
7,101.31	9,021.94	13,721.09	10,966.79	172,921.34	193,529.20	20,607.86
950.91	802.04	1,383.15	898.35	16,980.60	19,412.46	2,431.86
16,257.48	11,907.54	21,159.11	10,791.97	237,292.83	280,810.07	43,517.24
848.46	534.51	971.12	439.18	10,825.55	12,687.25	1,861.70
339.67	183.49	316.09	152.33	3,968.90	5,012.23	1,043.33
435.84	250.86	470.51	187.42	5,543.47	6,375.44	831.97
483.29	236.67	428.02	192.62	5,034.42	6,163.92	1,129.50
2,345.30	914.15	1,896.17	744.77	22,660.61	29,262.29	6,601.68
345.27	138.23	272.60	100.79	3,232.63	3,678.70	446.07
36,473.60	20,326.07	36,019.73	18,663.16	426,009.80	531,829.69	105,819.89
19.30	4.82	10.16	....	227,817.26	227,817.26	....
18,148.29	16,255.20	25,495.16	17,787.82	311,820.20	364,271.20	52,451.00
268.37	141.48	280.80	108.08	3,087.54	3,637.50	549.96
12,499.47	6,634.27	12,092.33	6,206.41	140,328.41	183,315.00	42,986.59
481.57	163.41	356.45	115.89	4,146.27	5,050.65	904.38
1,484.51	833.39	1,590.35	614.21	17,932.42	19,466.46	1,534.04
2,866.10	2,173.43	3,733.48	2,015.04	42,559.13	47,413.63	4,854.50
750.02	319.19	708.65	212.72	7,967.70	9,110.29	1,142.59
2,247.58	1,151.54	2,137.54	1,074.52	25,449.54	32,671.16	7,221.62
3,429.26	1,989.04	3,472.82	1,850.43	39,638.60	49,761.82	10,123.22
17,511.20	12,462.79	20,698.29	12,739.23	246,767.94	313,017.48	66,249.54
2,514.84	1,526.61	2,814.26	1,194.57	31,931.77	37,711.87	5,780.10
3,595.77	1,537.62	3,049.56	1,283.39	35,062.72	43,214.70	8,151.98
385.44	193.61	396.18	147.02	4,521.38	5,340.05	818.67
3,147.24	2,134.63	3,790.64	1,800.97	47,909.37	55,349.57	7,440.20
3,193.94	2,308.63	3,898.67	2,037.32	43,756.05	47,938.74	4,182.69
1,471.71	1,062.32	1,836.30	949.58	20,882.85	25,161.30	4,278.45
1,426.00	1,058.13	1,808.50	999.66	20,551.64	24,482.78	3,931.14
1,134.37	647.16	1,234.42	509.04	13,727.72	15,888.70	2,160.98
1,604.61	626.99	1,297.24	509.46	14,518.72	18,254.01	3,735.29
4,601.61	2,777.22	4,756.45	2,589.99	60,594.07	75,029.33	14,435.26
252.74	122.86	224.79	103.29	2,718.80	3,504.30	785.50

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay,

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horsepower supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1943	From Jan. 1, 1944			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Port Perry	45.00	42.50	78,862.42	287.8	1,918.55	3,264.30	3,163.74
Port Rowan	40.00	37.00	28,097.50	105.6	703.96	902.09	1,147.94
Port Stanley	32.50	32.50	146,345.84	608.9	4,059.09	4,233.57	6,023.72
Prescott	26.50	26.50	273,616.34	1,474.7	9,830.75	6,178.84	11,227.58
Preston	24.00	24.00	746,733.99	4,195.3	27,967.01	17,880.37	30,635.60
Priceville	57.00	45.00	2,799.23	10.0	66.66	138.23	111.95
Princeton	40.50	39.00	40,122.98	139.1	927.28	1,210.44	1,643.76
Queenston	23.00	23.00	19,593.73	128.4	855.95	605.58	805.22
Richmond	47.00	45.00	23,164.93	69.9	465.97	674.26	948.04
Richmond Hill	29.00	25.50	102,386.23	496.7	3,311.14	2,375.63	4,198.32
Ridgetown	31.50	31.50	135,717.63	602.3	4,015.10	4,255.12	5,586.30
Ripley	62.00	45.00	37,412.45	106.1	707.29	912.93	1,504.91
Riverside	30.50	30.50	276,401.95	1,190.8	7,938.20	5,748.50	11,366.72
Rockwood	33.00	32.50	30,351.42	127.2	847.95	823.61	1,245.18
Rodney	42.00	41.50	41,632.69	139.5	929.95	1,548.36	1,706.05
Rosseau	62.00	45.00	22,044.67	30.7	204.65	(578.99)	906.41
Russell	46.00	45.00	23,173.15	72.9	485.97	791.10	953.74
St. Catharines	20.50	20.50	4,621,108.72	30,240.4	201,590.74	97,988.06	189,859.54
St. Clair Beach	35.50	35.50	24,783.14	96.5	643.30	727.41	1,018.64
St. George	35.50	35.50	40,564.44	161.0	1,073.27	1,138.07	1,668.84
St. Jacobs	28.50	28.50	68,194.90	341.0	2,273.20	1,938.59	2,804.99
St. Marys	30.50	30.50	338,429.27	1,613.8	10,758.03	11,661.61	13,945.30
St. Thomas	23.50	23.50	1,450,143.31	7,921.3	52,805.55	42,205.62	59,987.82
Sarnia	28.50	28.00	2,340,875.16	11,220.4	74,798.25	59,064.72	96,370.94
Scarborough Twp.	26.50	26.50	933,369.39	4,718.8	31,456.81	20,935.29	38,419.25
Seaforth	30.50	30.50	198,132.06	912.1	6,080.31	5,292.43	8,145.38
Shelburne	42.00	39.50	57,796.03	245.7	1,637.90	2,365.08	2,348.45
Simcoe	25.50	25.50	531,498.99	2,727.0	18,178.93	12,699.53	21,961.29
Smiths Falls	25.00	25.00	497,327.92	2,969.7	19,796.83	10,936.40	20,416.12
Smithville	33.00	31.00	38,229.63	170.5	1,136.60	1,009.65	1,553.73
Southampton	39.00	35.50	139,980.02	585.9	3,905.77	4,129.33	5,599.98
Springfield	40.00	39.50	19,123.75	66.3	441.97	668.37	783.44
Stamford Twp.	17.50	18.50	357,319.57	2,909.5	19,395.52	8,131.17	14,713.21
Stayner	38.00	35.50	60,890.84	278.5	1,856.56	2,043.75	2,479.85
Stirling	27.00	26.00	47,055.09	299.1	1,993.88	1,363.44	1,915.23

SYSTEM *S.O.—COST OF POWER*

and Eastern Ontario Divisions

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1944

costs and fixed charges			Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality
Provision for renewals	Provision for contingencies and obsolescence	Provision for sinking fund	Credit			Credited (Charged)
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,049.67	377.56	818.75	299.66	10,292.91	12,348.24	2,055.33
288.64	148.10	297.25	109.95	3,378.03	3,961.79	583.76
1,430.26	811.26	1,546.88	633.99	17,470.79	19,787.90	2,317.11
2,844.82	1,652.92	2,881.32	1,535.46	33,080.77	39,079.77	5,999.00
5,895.58	4,647.33	7,875.32	4,368.16	90,533.05	100,686.00	10,152.95
38.50	15.56	29.51	10.41	390.00	470.00	80.00
428.11	198.79	424.26	144.83	4,687.81	5,457.07	769.26
142.26	124.80	206.36	133.69	2,606.48	2,953.00	346.52
339.44	103.81	243.94	72.78	2,702.68	3,164.05	461.37
878.71	600.82	1,083.92	517.17	11,931.37	12,942.81	1,011.44
1,261.26	778.06	1,436.92	627.12	16,705.64	18,972.46	2,266.82
562.66	166.24	394.34	110.47	4,137.90	5,094.43	956.53
2,570.42	1,594.91	2,923.13	1,239.87	30,902.01	36,319.92	5,417.91
296.16	169.54	321.08	132.44	3,571.08	4,145.01	573.93
448.79	206.58	439.41	145.25	5,133.89	5,801.25	667.36
387.47	77.33	232.39	31.96	1,197.30	1,466.74	269.44
335.46	107.72	245.01	75.90	2,843.10	3,293.35	450.25
33,072.25	30,152.97	48,634.13	31,486.42	569,811.27	619,928.01	50,116.74
244.07	135.11	262.00	100.48	2,930.05	3,426.33	496.28
407.48	222.32	429.26	167.63	4,771.61	5,714.03	942.42
592.47	409.52	722.12	355.05	8,385.84	9,719.22	1,333.38
2,974.40	2,024.88	3,584.39	1,680.29	43,268.32	49,219.87	5,951.55
11,801.13	9,006.18	15,346.19	8,247.69	182,904.80	186,149.95	3,245.15
20,710.50	13,884.02	24,796.39	11,682.72	277,942.10	315,116.53	37,174.43
7,776.53	5,513.79	9,883.39	4,913.23	109,071.83	125,047.72	15,975.89
1,805.24	1,138.85	2,097.30	949.68	23,609.83	27,817.79	4,207.96
726.14	312.07	609.48	255.82	7,743.30	9,804.65	2,061.35
4,542.52	3,181.89	5,632.43	2,839.36	63,357.23	69,537.47	6,180.24
4,655.82	3,166.05	5,237.39	3,092.06	61,116.55	74,243.29	13,126.74
368.96	223.86	402.40	177.53	4,517.67	5,349.94	832.27
1,734.68	722.06	1,455.04	610.04	16,936.82	21,107.08	4,170.26
203.58	95.24	202.01	69.03	2,325.58	2,623.06	297.48
1,923.60	2,483.75	3,763.52	3,029.38	47,381.39	53,310.21	5,928.82
730.66	347.90	642.19	289.98	7,810.93	9,997.06	2,186.13
407.86	302.97	495.34	311.42	6,167.30	7,826.17	1,658.87

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay,

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horsepower supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1943	From Jan. 1, 1944			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Stouffville......	38.00	32.50	74,404.67	308.1	2,053.88	1,985.33	3,013.67
Stratford.......	25.50	26.00	1,446,554.37	7,403.6	49,354.42	37,141.84	59,764.02
Strathroy.......	29.50	28.00	315,573.74	1,559.7	10,397.39	7,948.73	12,914.58
Streetsville.....	32.00	30.00	45,158.35	226.5	1,509.91	1,671.18	1,847.36
Sunderland.....	50.00	45.00	23,107.42	78.8	525.30	959.94	943.32
Sutton.........	40.00	39.50	78,414.81	268.6	1,790.56	2,313.33	3,218.28
Swansea........	28.00	27.50	512,728.47	2,973.9	19,824.83	21,036.98	21,041.49
Tara...........	42.00	39.50	28,932.32	110.5	736.62	870.60	1,178.10
Tavistock......	30.00	30.00	146,850.57	664.7	4,431.07	4,125.07	6,044.23
Tecumseh......	32.50	32.50	101,154.38	410.2	2,734.51	2,496.55	4,158.52
Teeswater......	47.00	45.00	45,573.96	153.5	1,023.27	1,565.67	1,871.38
Thamesford.....	33.00	33.00	52,587.28	223.1	1,487.25	1,505.39	2,163.66
Thamesville.....	33.00	33.00	43,642.74	191.4	1,275.92	1,381.85	1,794.43
Thedford.......	49.00	45.00	41,212.23	121.8	811.95	1,275.40	1,695.30
Thorndale......	44.00	44.00	24,927.67	81.8	545.30	943.06	1,026.20
Thornton.......	56.00	45.00	10,162.26	33.8	225.32	413.87	412.16
Thorold........	21.00	23.00	420,538.97	2,644.1	17,626.29	9,125.13	17,414.36
Tilbury........	32.00	30.50	324,291.87	1,496.5	9,976.08	9,201.86	13,298.33
Tillsonburg.....	28.50	28.50	290,330.36	1,424.8	9,498.10	7,050.16	11,936.20
Toronto........	22.60	22.60	60,312,578.21	350,880.0	2,339,061.73	1,295,847.85	2,490,762.87
Toronto Twp....	27.50	27.50	626,115.32	3,227.9	21,518.06	16,206.64	25,780.42
Tottenham.....	62.00	45.00	38,509.81	92.8	618.63	347.87	1,572.85
Trafalgar Twp. Area No. 1...	26.50	27.50	84,500.75	408.0	2,719.84	2,410.34	3,489.54
Trafalgar Twp. Area No. 2...	27.50	28.50	35,058.60	156.0	1,039.94	956.82	1,451.05
Trenton........	24.00	24.00	750,894.40	5,015.6	33,435.36	17,189.12	30,663.13
Tweed.........	45.00	41.50	69,308.31	253.0	1,686.57	2,246.69	2,824.03
Uxbridge.......	45.00	43.00	89,128.97	320.6	2,137.21	3,212.41	3,636.67
Victoria Harbour	38.00	36.50	17,491.12	77.8	518.64	669.45	686.65
Walkerton......	34.00	31.00	190,869.44	993.7	6,624.28	5,135.42	7,738.43
Wallaceburg....	30.50	30.00	905,656.22	4,209.4	28,061.01	22,993.84	37,235.46
Wardsville......	50.00	44.00	11,269.83	37.3	248.65	488.97	459.09
Warkworth.....	38.00	37.00	18,037.98	72.7	484.64	654.20	736.55
Waterdown.....	27.50	27.00	47,862.58	252.1	1,680.57	1,327.39	1,968.25
Waterford......	27.50	27.50	92,633.13	457.9	3,052.49	2,246.97	3,816.21
Waterloo.......	24.00	24.00	1,058,491.18	5,866.7	39,109.02	23,746.61	43,665.78

SYSTEM *S.O.—COST OF POWER*

and Eastern Ontario Divisions

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1944

costs and fixed charges			Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for sinking fund	Credit			
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
708.48	400.08	787.07	320.79	8,627.72	10,267.43	1,639.71
12,227.73	8,816.86	15,321.25	7,708.65	174,917.47	191,902.66	16,985.19
2,781.70	1,833.15	3,343.21	1,623.97	37,594.79	44,044.80	6,450.01
396.99	272.08	478.16	235.83	5,939.85	6,860.93	921.08
324.31	110.62	243.61	82.05	3,025.05	3,608.17	583.12
820.90	385.89	828.85	279.67	9,078.14	10,622.36	1,544.22
3,768.41	3,160.50	5,433.70	3,096.44	71,169.47	82,054.71	10,885.24
385.28	156.41	305.02	115.05	3,516.98	4,408.11	891.13
1,352.49	857.13	1,554.33	692.09	17,672.23	19,941.25	2,269.02
974.56	564.26	1,069.50	427.10	11,570.80	13,332.58	1,761.78
642.97	241.40	480.45	159.82	5,665.32	6,954.94	1,289.62
509.61	295.41	556.64	232.29	6,285.67	7,361.23	1,075.56
408.55	252.03	462.06	199.29	5,375.55	6,315.42	939.87
461.84	196.97	435.56	126.82	4,750.20	5,553.83	803.63
271.54	120.75	263.55	85.17	3,085.23	3,599.58	514.35
144.12	50.79	107.13	35.19	1,318.20	1,582.86	264.66
3,136.99	2,732.87	4,425.85	2,753.05	51,708.44	59,874.62	8,166.18
2,979.99	1,901.40	3,434.40	1,558.16	39,233.90	46,035.71	6,801.81
2,574.69	1,696.60	3,075.84	1,483.51	34,348.08	40,606.09	6,258.01
441,884.93	371,983.78	639,182.21	365,337.37	7,213,386.00	7,929,887.97	716,501.97
5,395.91	3,815.73	6,630.64	3,360.90	75,986.50	88,767.94	12,781.44
607.87	162.75	405.85	96.62	3,619.20	4,422.61	803.41
760.02	514.51	892.84	424.81	10,362.28	11,153.98	791.70
332.77	210.73	370.99	162.42	4,199.88	4,421.36	221.48
6,082.24	4,952.82	7,907.80	5,222.26	95,008.21	120,373.80	25,365.59
937.12	348.13	730.75	263.42	8,509.87	10,645.33	2,135.46
1,221.77	430.54	939.69	333.81	11,244.48	13,893.33	2,648.85
200.72	94.27	177.61	81.01	2,266.33	2,860.06	593.73
2,079.17	1,123.82	2,013.46	1,034.64	23,679.94	31,273.50	7,593.56
8,233.62	5,287.41	9,591.70	4,382.84	107,020.20	126,626.69	19,606.49
121.09	56.58	119.16	38.84	1,454.70	1,681.96	227.26
231.24	96.59	189.95	75.70	2,317.47	2,702.72	385.25
405.90	290.89	507.24	262.49	5,917.75	6,829.33	911.58
813.56	556.58	981.43	476.77	10,990.47	12,591.56	1,601.09
8,471.75	6,556.75	11,215.27	6,108.43	126,656.75	140,800.00	14,143.25

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay,

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1943	From Jan. 1, 1944			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Watford	39.00	35.50	99,607.61	390.7	2,604.51	2,953.23	4,061.61
Waubaushene	37.00	33.00	22,326.53	109.6	730.62	714.32	905.49
Welland	19.50	20.00	1,743,473.57	11,245.6	74,966.23	39,578.61	71,674.92
Wellesley	38.00	33.50	29,637.88	119.6	797.29	834.12	1,202.83
Wellington	38.00	33.00	57,002.93	256.9	1,712.57	1,496.71	2,300.71
West Lorne	35.50	35.50	56,967.51	232.0	1,546.58	2,166.13	2,335.96
Weston	23.00	23.00	862,280.37	4,867.2	32,446.08	18,910.89	35,651.34
Westport	52.00	45.00	41,635.05	99.1	660.63	322.25	1,710.05
Wheatley	42.00	41.00	64,172.39	198.4	1,322.59	1,736.72	2,633.44
Whitby	30.50	29.00	263,635.73	1,418.3	9,454.77	6,739.90	10,706.42
Wiarton	49.00	45.00	90,307.06	278.6	1,857.22	2,912.02	3,698.36
Williamsburg	30.00	30.00	17,042.13	84.5	563.30	535.04	698.16
Winchester	31.00	31.00	73,847.94	364.8	2,431.86	2,079.20	3,020.21
Windermere	50.00	45.00	16,975.88	46.5	309.98	336.47	701.61
Windsor	26.00	26.00	10,724,286.35	53,200.6	354,649.70	218,142.07	442,693.69
Wingham	46.00	40.50	197,267.16	726.6	4,843.72	5,249.34	7,835.97
Woodbridge	28.50	28.50	128,321.88	629.7	4,197.75	3,322.08	5,268.17
Woodstock	24.50	24.50	1,522,782.24	8,367.5	55,780.04	36,003.39	62,857.17
Woodville	49.00	45.00	21,709.04	72.5	483.30	802.64	888.10
Wyoming	45.00	40.00	21,509.71	75.0	499.97	719.83	874.53
York Township	25.50	24.50	3,487,910.01	20,347.1	135,639.32	77,795.15	143,479.61
Zurich	45.00	42.00	41,028.52	131.2	874.61	1,527.28	1,679.87
Ontario Reformatory			58,222.72	306.6	2,043.88	1,431.18	2,391.79
Toronto Transportation Comm.			125,650.14	711.0	4,739.72	3,010.83	5,085.56
Totals—Municipalities			198,292,925.95	1,132,491.9	7,634,653.41	4,587,334.08	8,168,053.97
Totals—Rural power district			18,347,989.98	85,314.3	589,367.00	454,827.28	755,116.64
Totals—Companies			45,438,863.05	265,211.2	2,562,183.96	1,425,668.15	1,883,494.14
Totals—Local distribution sys.			1,005,195.95	3,196.4	21,308.08	50,104.35	40,905.35
			263,084,974.93				
Non-operating capital			527,061.96				
Grand totals			263,612,036.89	1,486,213.8	10,807,512.45	6,517,933.86	10,847, 70.10

SYSTEM *S.O.—COST OF POWER*

and Eastern Ontario Divisions

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1944

costs and fixed charges			Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for sinking fund	Credit			
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
992.61	544.28	1,053.98	406.80	11,803.42	14,085.25	2,281.83
254.82	132.68	235.50	114.12	2,859.31	3,674.10	814.79
12,652.67	11,364.12	18,341.29	11,708.96	216,868.88	223,982.59	7,113.71
293.60	160.81	313.50	124.53	3,477.62	4,090.16	612.54
682.38	317.84	600.29	267.49	6,843.01	8,644.33	1,801.32
562.31	312.89	601.56	241.56	7,283.87	8,234.52	950.65
6,501.62	5,236.73	9,140.89	5,067.75	102,819.80	111,945.75	9,125.95
656.15	180.57	438.43	103.18	3,864.90	4,569.71	704.81
700.28	306.98	677.98	206.57	7,171.42	8,163.70	992.28
2,745.90	1,546.20	2,776.33	1,476.74	32,492.78	41,476.86	8,984.08
1,318.59	417.46	951.83	290.08	10,865.40	12,711.30	1,845.90
190.30	102.52	179.47	87.98	2,180.81	2,534.00	353.19
827.04	433.00	777.68	379.82	9,189.17	11,310.07	2,120.90
258.60	76.11	179.15	48.42	1,813.50	2,110.52	297.02
90,768.24	64,323.51	113,698.31	55,392.65	1,228,882.87	1,383,214.80	154,331.93
2,609.48	965.80	2,045.69	756.54	22,793.46	30,052.93	7,259.47
1,091.81	746.75	1,358.57	655.65	15,329.48	17,946.20	2,616.72
12,386.64	9,487.08	16,144.50	8,712.27	183,946.55	205,003.72	21,057.17
307.37	102.90	228.86	75.49	2,737.68	3,312.24	574.56
226.15	109.92	227.32	78.09	2,579.63	3,063.69	484.06
25,401.73	21,494.85	36,964.91	21,185.47	419,590.10	502,169.99	82,579.89
451.24	198.41	433.73	136.61	5,028.53	5,568.93	540.40
489.80	354.01	616.66	319.23	7,008.09	8,279.35	1,271.26
1,004.61	777.72	1,331.39	740.30	15,209.53	20,818.81	5,609.28
1,610,714.50	1,218,424.41	2,098,673.72	(1,158,695.77)	24,159,158.32	27,204,922.19	3,045,763.87
180,846.99	106,138.72	193,601.02	(88,829.55)	2,191,068.10	2,191,068.10	
380,582.96	8,098,582.50	481,910.46	1,214,369.36	16,046,791.53	16,046,791.53	
13,255.14	7,383.67	10,487.53	33,155.96	176,600.08	176,600.08	
2,185,399.59	9,430,529.30	2,784,672.73	....	42,573,618.03	45,619,381.90	3,045,763.87

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay and

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1944, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1943	
		Credit	Charge
		$ c.	$ c.
Acton	Jan. 1913	2,140.96	
Agincourt	Nov. 1922	1,077.61	
Ailsa Craig	Jan. 1916	442.52	
Alexandria	Jan. 1921	87.02	
Alliston	June 1918	2,925.85	
Alvinston	April 1922	762.10	
Amherstburg	Nov. 1925	1,861.46	
Ancaster Township	May 1923	701.65	
Apple Hill	April 1921	69.06	
Arkona	Dec. 1926		
Arnprior	Jan. 1939	4,494.97	
Arthur	Dec. 1916	78.84	
Athens	Jan. 1929	191.81	
Aurora	April 1943	779.14	
Aylmer	Mar. 1918	1,709.29	
Ayr	Jan. 1915		342.34
Baden	May 1912	1,166.38	
Barrie	April 1913	18,539.94	
Bath	Nov. 1931	78.18	
Beachville	Aug. 1912	1,057.87	
Beamsville	May 1937	779.79	
Beaverton	Nov. 1914	509.61	
Beeton	Aug. 1918	1,533.32	
Belle River	Dec. 1922	308.01	
Belleville	April 1929	21,009.14	
Blenheim	Nov. 1915	1,308.56	
Bloomfield	Apri 1919	572.47	
Blyth	July 1924	108.36	
Bolton	Feb. 1915	996.34	
Bothwell	Sept. 1915	352.69	
Bowmanville	Oct. 1931	9,593.75	
Bradford	Oct. 1918	1,470.84	
Brampton	Nov 1911	3,575.94	
Brantford	Feb. 1914	3,872.55	
Brantford Township	May 1924	782.08	
Brechin	Jan. 1915	201.78	
Bridgeport	Mar. 1928	425.67	
Brigden	Jan. 1918	487.04	
Brighton	Nov. 1929	1,409.97	
Brockville	April 1915	1,450.82	

SYSTEM *S.O.—CREDIT OR CHARGE*

Eastern Ontario Divisions

power supplied to it to October 31, 1943, the cash receipts and payments thereon
or Charged to each Municipality in respect of power supplied in the year
as a Credit or Charge to each Municipality at October 31, 1944

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1944		Accumulated amount standing as a credit or charge on October 31, 1944	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	2,140.96	6,376.66	....	6,376.66	....
....	1,077.61	988.92	....	988.92	....
....	442.52	504.82	....	504.82	....
....	87.02	1,433 99	....	1,433.99	....
....	2,925.85	3,422.98	....	3,422.98	....
....	762.10	761.31	....	761.31	....
....	1,861.46	5,245.64	....	5,245.64	....
....	701.65	1,684.02	....	1,684.02	....
....	69.06	487.34	....	487.34	....
....	....	425.17	....	425.17	....
....	4,494.97	8,799.20	....	8,799.20	....
....	78.84	1,340.62	....	1,340.62	....
....	191.81	717.77	....	717.77	....
....	779.14	4,217.88	....	4,217.88	....
....	1,709.29	3,220.64	....	3,220.64	....
342.34	....	855.83	....	855.83	....
....	1,166.38	2,214.62	....	2,214.62	....
....	18,539.94	30,967.24	....	30,967.24	....
....	78.18	297.58	....	297.58	....
....	1,057.87	2,904.11	....	2,904.11	....
....	779.79	1,836.93	....	1,836.93	....
....	509.61	1,985.37	....	1,985.37	....
....	1,533.32	1,274.62	....	1,274.62	....
....	308.01	660.84	....	660.84	....
....	21,009.14	42,395 32	....	42,395.32	....
....	1,308.56	2,311.77	....	2,311.77	....
....	572.47	913.26	....	913.26	....
....	108.36	705.04	....	705 04	....
....	996.34	571.31	....	571.31	....
....	352.69	614.31	....	614.31	....
....	9,593.75	15,469.47	....	15,469.47	....
....	1,470.84	1,621.62	....	1,621.62	....
....	3,575.94	8,575.68	....	8.575.68	....
....	3,872.55	46,012.05	....	46.012.05	....
....	782.08	3,043.07	....	3,043.07	....
....	201.78	539.88	....	539.88	....
....	425.67	566.95	....	566.95	....
....	487.04	755.78	....	755.78	....
....	1,409.97	2,469.18	....	2,469.18	....
....	1,450.82	18,331.81	....	18,331.81	....

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay and

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1944, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1943	
		Credit	Charge
		$ c.	$ c.
Brussels	July 1924	359.94	
Burford	June 1915	671.14	
Burgessville	Nov. 1916	411.99	
Caledonia	Oct. 1912	281.57	
Campbellville	Jan. 1925	181.18	
Cannington	Nov. 1914	823.74	
Cardinal	July 1930	807.23	
Carleton Place	May 1919	2,837.56	
Cayuga	Nov. 1924	13.88	
Chatham	Feb. 1915	5,008.87	
Chatsworth	Dec. 1915	131.48	
Chesley	July 1916	1,913.70	
Chesterville	April 1914	572.29	
Chippawa	Sept. 1919	127.34	
Clifford	May 1924	328.69	
Clinton	Mar. 1914	1,589.39	
Cobden	Nov. 1925	337.92	
Cobourg	Jan. 1932	8,150.33	
Colborne	Jan. 1933	474.28	
Coldwater	Mar. 1913	52.93	
Collingwood	Mar. 1913	18,425.88	
Comber	May 1915	404.72	
Cookstown	May 1918	691.89	
Cottam	Nov. 1926	46.44	
Courtright	Dec. 1923	422.07	
Creemore	Nov. 1914	762.28	
Dashwood	Sept. 1917	454.12	
Delaware	Mar. 1915	159.13	
Delhi	May 1938	356.12	
Deseronto	Jan. 1931	1,339.19	
Dorchester	Dec. 1914	63.40	
Drayton	Mar. 1918	174.43	
Dresden	April 1915	1,525.93	
Drumbo	Dec. 1914	385.00	
Dublin	Oct. 1917	123.27	
Dundalk	Dec. 1915	1,191.34	
Dundas	Jan. 1911		201.45
Dunnville	June 1918	93.98	
Durham	Dec. 1915	2,166.37	
Dutton	Sept. 1915	491.42	

SYSTEM *S.O.—CREDIT OR CHARGE*

Eastern Ontario Divisions

power supplied to it to October 31, 1943, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1944

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1944		Accumulated amount standing as a credit or charge on October 31, 1944	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
	359.94	836.44		836.44	
	671.14	992.68		992.68	
	411.99	261.11		261.11	
	281.57	809 87		809.87	
	181.18	283.83		283.83	
	823.74	1,555.06		1,555.06	
	807.23	1,776.51		1,776.51	
	2,837.56	9,841.89		9,841.89	
	13.88	124.60		124.60	
	5,008.87	22,308.01		22,308.01	
	131.48	614.57		614.57	
	1,913.70	4,350.54		4,350.54	
	572.29	1,748.02		1,748.02	
	127.34	1,014.66		1,014.66	
	328.69	609.46		609.46	
	1,589.39	3,216.18		3,216.18	
	337.92	810.04		810.04	
	8,150.33	13,440.63		13,440.63	
	474.28	1,453.43		1,453.43	
	52.93	1,126.18		1,126.18	
	18,425.88	22,289.22		22,289.22	
	404.72	619.36		619.36	
	691.89	808.43		808.43	
	46.44	382.53		382.53	
	422.07	318.80		318.80	
	762.28	1,192.85		1,192.85	
	454.12	457.85		457.85	
	159.13	308.91		308.91	
	356.12	2,077.32		2,077.32	
	1,339.19	2,394.23		2,394.23	
	63.40	467.84		467.84	
	174.43	871.86		871.86	
	1,525.93	2,611.97		2,611.97	
	385.00	560.48		560.48	
	123.27	243.38		243.38	
	1,191.34	1,520.82		1,520.82	
201.45		5,127.92		5,127.92	
	93.98	2,017.01		2,017.01	
	2,166.37	3,249.06		3,249.06	
	491.42	928.55		928.55	

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay and

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1944, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1943	
		Credit	Charge
		$ c.	$ c.
East York Township	July 1925	25,315.59	
Elmira	Nov. 1913	1,036.94	
Elmvale	June 1913	868.42	
Elmwood	April 1918		154.70
Elora	Nov. 1914	1,093.95	
Embro	Jan. 1915	799.00	
Erieau	July 1924	763.72	
Erie Beach	July 1925	17.54	
Essex	Nov. 1923	1,690.87	
Etobicoke Township	Aug. 1917		5,693.16
Exeter	June 1916	1,443.72	
Fergus	Nov. 1914	3,742.68	
Finch	Feb. 1928	165.40	
Flesherton	Dec. 1915	217.72	
Fonthill	June 1926	311.25	
Forest	Mar. 1917	1,741.23	
Forest Hill	Jan. 1938	12,096.19	
Galt	May. 1911	6,790.73	
Georgetown	Sept. 1913	3,054.79	
Glencoe	Aug. 1920	589.67	
Goderich	Feb. 1914	4,764.98	
Grand Valley	Dec. 1916	715.20	
Granton	July 1916	180.52	
Gravenhurst	Nov. 1915		1,113.16
Grimsby	Jan. 1942		368.80
Guelph	Dec. 1910		1,605.72
Hagersville	Sept. 1913	606.34	
Hamilton	Feb. 1911	20,403.20	
Hanover	Sept. 1916	5,585.14	
Harriston	July 1916	1,540.48	
Harrow	Nov. 1923	1,221.79	
Hastings	June 1931	344.60	
Havelock	Feb. 1921		22.81
Hensall	Jan. 1917	758.23	
Hespeler	Feb. 1911	2,848.79	
Highgate	Dec. 1916	433.98	
Holstein	May 1916		
Humberstone	Oct. 1924	149.35	
Huntsville	Sept. 1916		2,427.09
Ingersoll	May 1911	2,383.95	

SYSTEM *S.O.—CREDIT OR CHARGE*

Eastern Ontario Divisions

power supplied to it to October 31, 1943, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1944

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1944		Accumulated amount standing as a credit or charge on October 31, 1944	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
	25,315.59	44,764.17		44,764.17	
	1,036.94	6,517.12		6,517.12	
	868.42	1,101.26		1,101.26	
154.70		328.33		328.33	
	1,093.95	1,866.47		1,866.47	
	799.00	918.50		918.50	
	763.72	904.74		904.74	
	17.54	121.01		121.01	
	1,690.87	2,633.84		2,633.84	
5,693.16		16,905.13		16,905.13	
	1,443.72	3,154.79		3,154.79	
	3,742.68	5,226.41		5,226.41	
	165.40	659.63		659.63	
	217.72	562.75		562.75	
	311.25	898.45		898.45	
	1,741.23	3,073.55		3,073.55	
	12.096.19	25,030.04		25,030.04	
	6,790.73	24,089.59		24,089.59	
	3,054.79	7,847.82		7,847.82	
	589.67	1,108.28		1,108.28	
	4,764.98	7,809.53		7,809.53	
	715.20	1,260.99		1,260.99	
	180.52	347.04		347.04	
1,113.16		2,685.50		2,685.50	
368.80		1,757.84		1,757.84	
1,605.72		18,817.03		18,817.03	
	606.34	1,164.32		1,164.32	
	20,403.20	279,308.16		279,308.16	
	5,585.14	9,914.19		9,914.19	
	1,540.48	1,956.97		1,956.97	
	1,221.79	2,862.57		2,862.57	
	344.60	955.45		955.45	
22.81		962.13		962.13	
	758.23	861.99		861.99	
	2,848.79	6,852.23		6,852.23	
	433.98	465.05		465.05	
		169.59		169.59	
	149.35	1,165.46		1,165.46	
2,427.09		1,474.30		1,474.30	
	2,383.95	9,272.55		9,272.55	

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay and

Statement showing the net Credit or Charge to each Municipality in respect of
and adjustments made during the year. Also the net amount Credited
ended October 31, 1944, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1943	
		Credit	Charge
		$ c.	$ c.
Iroquois	Feb. 1940	323.54	
Jarvis	Feb. 1924	277.01	
Kemptville	Dec. 1921	727.96	
Kincardine	Mar. 1921	3,791.72	
Kingston	Nov. 1937	54,905.72	
Kingsville	Nov. 1923	1,165.93	
Kirkfield	June 1920	88.51	
Kitchener	Jan. 1911	11,175.75	
Lakefield	Aug. 1920	2,520.62	
Lambeth	April 1915	402.21	
Lanark	Sept. 1921		12.28
Lancaster	May 1921		
La Salle	Nov. 1925	674.77	
Leamington	Nov. 1923	3,394.49	
Lindsay	Mar. 1928	18,635.90	
Listowel	June 1916	1,628.05	
London	Jan. 1911		13,162.39
London Township	Jan. 1925	996.49	
Long Branch	Jan. 1931	1,416.30	
Lucan	Feb. 1915	372.02	
Lucknow	Jan. 1921	2,419.43	
Lynden	Nov. 1915	183.94	
Madoc	Jan. 1930	842.66	
Markdale	Mar. 1916	824.79	
Markham	April 1920	1,316.28	
Marmora	Jan. 1921	508.38	
Martintown	May 1921	42.60	
Maxville	Feb. 1921	29.16	
Meaford	Jan. 1924	3,700.81	
Merlin	Dec. 1922	395.24	
Merritton	Nov. 1920		8,599.90
Midland	July 1911	18,558.42	
Mildmay	Dec. 1932	692.99	
Millbrook	Dec. 1938	643.08	
Milton	April 1913	2,813.23	
Milverton	June 1916	264.65	
Mimico	May 1912		1,843.52
Mitchell	Sept. 1911	1,275.84	
Moorefield	Mar. 1918	1.08	
Morrisburg	June 1938	1,037.47	

SYSTEM *S.O.—CREDIT OR CHARGE*

Eastern Ontario Divisions

power supplied to it to October 31, 1943, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1944

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1944		Accumulated amount standing as a credit or charge on October 31, 1944	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
	323 54	1,336.25		1,336.25	
	277.01	515.49		515.49	
	727.96	2,203 80		2,203.80	
	3,791.72	6,607.24		6,607.24	
	54,905.72	91,967.85		91,967.85	
	1,165.93	2,760.24		2,760.24	
	88.51	193.83		193.83	
	11,175.75	57,796.66		57,796.66	
	2,520.62	2,670.64		2,670.64	
	402.21	523.29		523.29	
12.28		437.75		437.75	
		330.29		330.29	
	674.77	1,304.73		1,304.73	
	3,394.49	7,521.63		7,521.63	
	18,635.90	19,150.79		19,150.79	
	1,628.05	4,880.85		4,880.85	
13,162.39		56,415 44		56,415.44	
	996.49	2,095.74		2,095.74	
	1,416.30	3,905.50		3,905.50	
	372.02	801.49		801.49	
	2,419.43	4,526.69		4,526.69	
	183.94	559.96		559.96	
	842 66	1,674.50		1,674.50	
	824.79	1,262.78		1,262.78	
	1,316.28	1,483.47		1,483.47	
	508.38	776 61		776.61	
	42.60	324.83		324.83	
	29.16	832.83		832.83	
	3,700.81	5,875.97		5,875.97	
	395.24	411.49		411.49	
8,599.90		19,070.81		19,070.81	
	18,558.42	33,015.39		33,015.39	
	692.99	1,269 10		1,269.10	
	643.08	545.16		545.16	
	2,813.23	6,290.82		6,290.82	
	264.65	1,061.10		1,061.10	
1,843.52		5,223.35		5,223.35	
	1,275.84	3,054.32		3,054.32	
	1.08	346.82		346.82	
	1,037.47	1,876.08		1,876.08	

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay and

Statement showing the net Credit or Charge to each Municipality in respect of
and adjustments made during the year. Also the net amount Credited
ended October 31, 1944, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1943	
		Credit	Charge
		$ c.	$ c.
Mount Brydges	Mar. 1915	322.35	
Mount Forest	Dec. 1915	2,118.45	
Napanee	Nov. 1929	4,205.97	
Neustadt	Dec. 1918	795.12	
Newbury	Mar. 1921	155.49	
Newcastle	Jan. 1937	558.87	
New Hamburg	Mar. 1911	1,377.12	
New Toronto	Feb. 1914	1,111.63	
Niagara Falls	Dec. 1915		7,733.88
Niagara-on-the-Lake	Aug. 1919	484.63	
North York Township	Nov. 1923	25,960.22	
Norwich	May 1912	979.33	
Norwood	Feb. 1921	415.45	
Oil Springs	Feb. 1918	836.54	
Omemee	Jan. 1940	702.98	
Orangeville	July 1916	3,287.63	
Orono	Nov. 1938	27.75	
Oshawa	Feb. 1929	48,311.75	
Ottawa	Jan. 1914		16,964.15
Otterville	Feb. 1916	539.62	
Owen Sound	Dec. 1915	19,391.46	
Paisley	Sept. 1923	324.53	
Palmerston	July 1916	130.44	
Paris	Feb. 1914	1,246.96	
Parkhill	May 1920	1,073.25	
Penetanguishene	July 1911	5,645.81	
Perth	Feb. 1919	3,232.26	
Peterborough	Mar. 1913	27,817.23	
Petrolia	May 1916	4,154.00	
Picton	April 1919	6,144.48	
Plattsville	Dec. 1914	937.02	
Point Edward	Nov. 1916	3,664.11	
Port Colborne	Mar. 1920	1,287.89	
Port Credit	Aug. 1912	2,252.97	
Port Dalhousie	Nov. 1912	1,487.18	
Port Dover	Dec. 1921	827.32	
Port Elgin	Mar. 1931	1,846.76	
Port Hope	Nov. 1929	7,538.99	
Port McNicoll	Jan. 1915	373.22	
Port Perry	Sept. 1922	1,301.46	

SYSTEM *S.O.—CREDIT OR CHARG*

Eastern Ontario Divisions

power supplied to it to October 31, 1943, the cash receipts and payments thereon
or Charged to each Municipality in respect of power supplied in the year
as a Credit or Charge to each Municipality at October 31, 1944

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1944		Accumulated amount standing as a credit or charge on October 31, 1944	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	322.35	324.20	....	324.20	....
....	2,118.45	4,140.27	....	4,140.27	....
....	4,205.97	7,937.83	....	7,937.83	....
....	795.12	434.62	....	434.62	....
....	155.49	212.66	....	212.66	....
....	558.87	906.86	....	906.86	....
....	1,377.12	2,676.83	....	2,676.83	....
....	1,111.63	26,357.80	....	26,357.80	....
7,733.88	....	20,607.86	....	20,607.86	....
....	484.63	2,431.86	....	2,431.86	....
....	25,960.22	43,517.24	....	43,517.24	....
....	979.33	1,861.70	....	1,861.70	....
....	415.45	1,043.33	....	1,043.33	....
....	836.54	831.97	....	831.97	....
....	702.98	1,129.50	....	1,129.50	....
....	3,287.63	6,601.68	....	6,601.68	....
....	27.75	446.07	....	446.07	....
....	48,311.75	105,819.89	....	105,819.89	....
16,964.15	....	52,451.00	....	52,451.00	....
....	539.62	549.96	....	549.96	....
....	19,391.46	42,986.59	....	42,986.59	....
....	324.53	904.38	....	904.38	....
....	130.44	1,534.04	....	1,534.04	....
....	1,246.96	4,854.50	....	4,854.50	....
....	1,073.25	1,142.59	....	1,142.59	....
....	5,645.81	7,221.62	....	7,221.62	....
....	3,232.26	10,123.22	....	10,123.22	....
....	27,817.23	66,249.54	....	66,249.54	....
....	4,154.00	5,780.10	....	5,780.10	....
....	6,144.48	8,151.98	....	8,151.98	....
....	937.02	818.67	....	818.67	....
....	3,664.11	7,440.20	....	7,440.20	....
....	1,287.89	4,182.69	....	4,182.69	....
....	2,252.97	4,278.45	....	4,278.45	....
....	1,487.18	3,931.14	....	3,931.14	....
....	827.32	2,160.98	....	2,160.98	....
....	1,846.76	3,735.29	....	3,735.29	....
....	7,538.99	14,435.26	....	14,435.26	....
....	373.22	785.50	....	785.50	....
....	1,301.46	2,055.33	....	2,055.33	....

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay and

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1944, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1943	
		Credit	Charge
		$ c.	$ c.
Port Rowan	Nov. 1926	469.78	
Port Stanley	April 1912	426.47	
Prescott	Dec. 1913	527.32	
Preston	Jan. 1911	3,568.06	
Priceville	Mar. 1920	102.39	
Princeton	Jan. 1915	472.58	
Queenston	Mar. 1921		11.94
Richmond	Aug. 1928	126.49	
Richmond Hill	June 1925	1,192.99	
Ridgetown	Dec. 1915	806.32	
Ripley	Jan. 1921	1,204.67	
Riverside	Nov. 1922	1,748.49	
Rockwood	Sept. 1913	301.77	
Rodney	Feb. 1917	353.83	
Rosseau	July 1931		
Russell	Feb. 1926	72.86	
St. Catharines	April 1914		7,694.25
St. Clair Beach	Nov. 1922	164.74	
St. George	Sept. 1915	242.41	
St. Jacobs	Sept. 1917	522.58	
St. Marys	May 1911	1,526.49	
St. Thomas	April 1911		6,055.60
Sarnia	Dec. 1916	17,216.08	
Scarborough Township	Aug. 1918	6,555.18	
Seaforth	Nov. 1911	1,319.34	
Shelburne	July 1916	1,179.49	
Simcoe	Aug. 1915	267.51	
Smiths Falls	Sept. 1918	588.53	
Smithville	Nov. 1940	747.06	
Southampton	Feb. 1931	3,089.74	
Springfield	Aug. 1917	151.59	
Stamford Township	Nov. 1916		1,551.07
Stayner	Oct. 1913	1,187.82	
Stirling	Jan. 1930	806.33	
Stouffville	Sept. 1923	2,142.29	

SYSTEM *S.O.—CREDIT OR CHARGE*

Eastern Ontario Divisions

power supplied to it to October 31, 1943, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1944

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1944		Accumulated amount standing as a credit or charge on October 31, 1944	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c,	$ c.	$ c.
....	469.78	583.76	....	583.76	....
....	426.47	2,317.11	....	2,317.11	....
....	527.32	5,999.00	....	5,999.00	....
....	3,568.06	10,152.95	....	10,152.95	....
....	102.39	80.00	....	80.00	....
....	472.58	769.26	....	769.26	....
11.94	....	346.52	....	346.52	....
....	126.49	461.37	....	461.37	....
....	1,192.99	1,011.44	....	1,011.44	....
....	806.32	2,266.82	....	2,266.82	....
....	1,204.67	956.53	....	956.53	....
....	1,748.49	5,417.91	....	5,417.91	....
....	301.77	573.93	....	573.93	....
....	353.83	667.36	....	667.36	....
....	....	269.44	....	269.44	....
....	72.86	450.25	....	450.25	....
7,694.25	....	50,116.74	....	50,116.74	....
....	164.74	496.28	....	496.28	....
....	242.41	942.42	....	942.42	....
....	522.58	1,333.38	....	1,333.38	....
....	1,526.49	5,951.55	....	5,951.55	....
4,923.98	....	3,245.15	....	2,113.53	....
....	17,216.08	37,174.43	....	37,174.43	....
....	8,018.43	15,975.89	....	14,512.64	....
....	1,319.34	4,207.96	....	4,207.96	....
....	1,179.49	2,061.35	....	2,061.35	....
....	267.51	6,180.24	....	6,180.24	....
....	588.53	13,126.74	....	13,126.74	....
....	747.06	832.27	....	832.27	....
....	3,089.74	4,170.26	....	4,170.26	....
....	151.59	297.48	....	297.48	....
1,551.07	....	5,928.82	....	5,928.82	....
....	1,187.82	2,186.13	....	2,186.13	....
....	806.33	1,658.87	....	1,658.87	....
....	2,142.29	1,639.71	....	1,639.71	....

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay and

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1944, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1943	
		Credit	Charge
		$ c.	$ c.
Stratford	Jan. 1911	....	238.28
Strathroy	Dec. 1914	5,153.40	....
Streetsville	Dec. 1934	857.06	....
Sunderland	Nov. 1914	282.49	....
Sutton	Aug. 1923	613.88	....
Swansea	Oct. 1937	6,884.62	....
Tara	Feb. 1918	470.26	....
Tavistock	Nov. 1916	912.10	....
Tecumseh	Nov. 1922	555.31	....
Teeswater	Dec. 1920	124 99	....
Thamesford	Feb. 1914	376.37	....
Thamesville	Oct. 1915	393.51	....
Thedford	May 1922	151.03	....
Thorndale	Mar. 1914	75.58	....
Thornton	Nov. 1918	232.55	....
Thorold	Jan. 1921	....	5,428.79
Tilbury	April 1915	4,787.43	....
Tillsonburg	Aug. 1911	2,620.52	....
Toronto	June 1911	121,006.52	....
Toronto Township	Aug. 1913	4,120 97	....
Tottenham	Oct. 1918	472.94	....
Trafalgar Area No. 1	Nov. 1936	....	303.17
Trafalgar Area No. 2	Nov. 1936	....	202.66
Trenton	Sept. 1931	8,044.80	....
Tweed	Dec. 1930	1,232.99	....
Uxbridge	Sept. 1922	1,347.21	....
Victoria Harbour	July 1914	252.58	....
Walkerton	Feb. 1931	4,598.07	....
Wallaceburg	Feb. 1915	8,789.27	....
Wardsville	June 1921	261.80	....
Warkworth	Oct. 1923	196.93	....
Waterdown	Nov. 1911	507.02	....
Waterford	April 1915	531.91	....
Waterloo	Dec. 1910	3,877.95	....
Watford	Sept. 1917	2,030.64	....

SYSTEM *S.O.—CREDIT OR CHARGE*

Eastern Ontario Divisions

power supplied to it to October 31, 1943, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1944

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1944		Accumulated amount standing as a credit or charge on October 31, 1944	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
238.28		16,985.19		16,985.19	
	5,153.40	6,450.01		6,450.01	
	857.06	921.08		921.08	
	282.49	583.12		583.12	
	613.88	1,544.22		1,544.22	
	6,884.62	10,885.24		10,885.24	
	470.26	891.13		891.13	
	912.10	2,269.02		2,269.02	
	555.31	1,761.78		1,761.78	
	124.99	1,289.62		1,289.62	
	376.37	1,075.56		1,075.56	
	393.51	939.87		939.87	
	151.03	803.63		803.63	
	75.58	514.35		514.35	
	232.55	264.66		264.66	
5,428.79		8,166.18		8,166.18	
	4,787.43	6,801.81		6,801.81	
	2,620.52	6,258.01		6,258.01	
	121,006.52	716,501.97		716,501.97	
	4,120.97	12,781.44		12,781.44	
	472.94	803.41		803.41	
303.17		791.70		791.70	
202.66		221.48		221.48	
	8,044.80	25,365.59		25,365.59	
	1,232.99	2,135.46		2,135.46	
	1,347.21	2,648.85		2,648.85	
	252.58	593.73		593.73	
	4,598.07	7,593.56		7,593.56	
	8,789.27	19,606.49		19,606.49	
	261.80	227.26		227.26	
	196.93	385.25		385.25	
	507.02	911.58		911.58	
	531.91	1,601.09		1,601.09	
	3,877.95	14,143.25		14,143.25	
	2,030.64	2,281.83		2,281.83	

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay and

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1944, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1943	
		Credit	Charge
		$ c.	$ c.
Waubaushene	Dec. 1914	567.28	
Welland	Sept. 1917		5,885.27
Wellesley	Nov. 1916	774.92	
Wellington	April 1919	1,520.57	
West Lorne	Jan. 1917	457.77	
Weston	Aug. 1911		1,917.72
Westport	Nov. 1931		
Wheatley	Feb. 1924	525.63	
Whitby	Jan. 1926	5,016.79	
Wiarton	May 1931	696.07	
Williamsburg	April 1915	64.40	
Winchester	Jan. 1914	582.11	
Windermere	June 1930		142.48
Windsor	Oct. 1914	38,621.31	
Wingham	Dec. 1920	5,544.81	
Woodbridge	Dec. 1914	1,284.51	
Woodstock	Jan. 1911	5,018.95	
Woodville	Nov. 1914	220.38	
Wyoming	Nov. 1916	481.67	
York Township	Jan. 1941	34,681 72	
Zurich	Sept. 1917	668.55	
Ontario Reformatory	Sept. 1913	629.86	
Toronto Transportation Commission	Jan. 1927	4,389.33	
Grand totals		900,447.58	89,676.58

SYSTEM *S.O.—CREDIT OR CHARGE*

Eastern Ontario Divisions

power supplied to it to October 31, 1943, the cash receipts and payments thereon
or Charged to each Municipality in respect of power supplied in the year
as a Credit or Charge to each Municipality at October 31, 1944

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1944		Accumulated amount standing as a credit or charge on October 31, 1944	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	567.28	814.79	....	814.79	....
5,885.27	....	7,113.71	....	7,113.71	....
....	774.92	612.54	....	612.54	....
....	1,520.57	1,801.32	....	1,801.32	....
....	457.77	950.65	....	950.65	....
2,419.44	501.72	9,125.95	....	9,125.95	....
....	....	704.81	....	704.81	....
....	525.63	992.28	....	992.28	....
....	5,016.79	8,984.08	....	8,984.08	....
....	696.07	1,845.90	....	1,845.90	....
....	64.40	353.19	....	353.19	....
....	582.11	2,120.90	....	2,120.90	....
142.48	....	297.02	....	297.02	....
....	38,621.31	154,331.93	....	154,331.93	....
....	5,544.81	7,259.47	....	7,259.47	....
....	1,284.51	2,616.72	....	2,616.72	....
....	5,018.95	21,057.17	....	21,057.17	....
....	220.38	574.56	....	574.56	....
....	481.67	484.06	....	484.06	....
....	34,681.72	82,579.89	....	82,579.89	....
....	668.55	540.40	....	540.40	....
....	629.86	1,271.26	....	1,271.26	....
....	4,389.33	5,609.28	....	5,609.28	....
89,046.68	902,412.55	3,045,763.87	....	3,043,169.00	....

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1944

Municipality	Period of years ended Oct. 31, 1944	Amount	Municipality	Period of years ended Oct. 31, 1944	Amount
		$ c.			$ c.
Acton	27 years	100,331.07	Brussels	21 years	18,014.76
Agincourt	21 "	15,887.80	Burford	24 "	19,087.99
Ailsa Craig	24 "	20,424.82	Burgessville	23 "	7,171.08
Alexandria	20 "	39,473.20	Caledonia	27 "	31,546.74
Alliston	21 "	33,279.73	Campbellville	20 "	3,785.41
Alvinston	21 "	20,359.14	Cannington	25 "	20,858.07
Amherstburg	21 "	76,639.86	Cardinal	15 "	9,120.59
Ancaster Township	21 "	24,776.99	Carleton Place	20 "	108,729.13
Apple Hill	20 "	4,513.13	Cayuga	20 "	13,763.78
Arkona	18 "	8,672.86	Chatham	24 "	551,646.76
Arnprior	6 "	13,924.59	Chatsworth	24 "	6,362.72
Arthur	23 "	25,992.45	Chesley	23 "	49,704.81
Athens	16 "	9,015.48	Chesterville	25 "	34,848.52
Aurora	2 "	5,662.07	Chippawa	23 "	23,569.82
Aylmer	21 "	61,525.82	Clifford	21 "	10,306.45
Ayr	25 "	20,795.52	Clinton	25 "	64,474.80
Baden	27 "	43,972.18	Cobden	9 "	2,863.18
Barrie	26 "	221,065.67	Cobourg	13 "	72,961.31
Bath	13 "	3,071.30	Colborne	12 "	6,881.47
Beachville	27 "	57,253.32	Coldwater	26 "	19,683.64
Beamsville	8 "	9,186.94	Collingwood	26 "	189,397.78
Beaverton	25 "	27,654.46	Comber	24 "	24,475.92
Beeton	21 "	20,999.05	Cookstown	21 "	7,545.39
Belle River	22 "	14,922.69	Cottam	18 "	6,413.64
Belleville	16 "	255,969.76	Courtright	21 "	7,779.49
Blenheim	24 "	52,104.74	Creemore	25 "	16,173.00
Bloomfield	16 "	8,862.47	Dashwood	22 "	11,638.94
Blyth	21 "	13,828.82	Delaware	24 "	4,770.52
Bolton	24 "	23,862.34	Delhi	7 "	11,061.99
Bothwell	24 "	22,763.32	Deseronto	14 "	10.642.11
Bowmanville	13 "	94,753.51	Dorchester	25 "	10,512.56
Bradford	21 "	24,725.21	Drayton	21 "	17,575.34
Brampton	28 "	236,228.03	Dresden	24 "	44,036.20
Brantford	25 "	1,297,306.73	Drumbo	25 "	9,237.50
Brantford Township	21 "	51,791.08	Dublin	22 "	7,636.35
Brechin	25 "	9,943.97	Dundalk	24 "	17,739.77
Bridgeport	17 "	9.318.68	Dundas	28 "	196,130.13
Brigden	22 "	15,746.38	Dunnville	22 "	88,299.82
Brighton	15 "	17,094.98	Durham	24 "	41,834.44
Brockville	24 "	241,712.49	Dutton	24 "	26,978.37

SOUTHERN ONTARIO SYSTEM *S.O.—SINKING FUND*

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1944

Municipality	Period of years ended Oct. 31, 1944	Amount	Municipality	Period of years ended Oct. 31, 1944	Amount
		$ c.			$ c.
East York Township.	20 years	411,797.76	Iroquois	5 years	2,492.58
Elmira	26 "	105,089.34	Jarvis	21 "	21,004.46
Elmvale	26 "	19,953.56	Kemptville	20 "	28,245.94
Elmwood	21 "	5,824.87	Kincardine	20 "	60,037.18
Elora	25 "	50.166.36	Kingston	7 "	186,109.61
Embro	25 "	15,356.54	Kingsville	21 "	57,267.04
Erieau	21 "	9,645.81	Kirkfield	20 "	4,298.33
Erie Beach	20 "	2,297.14	Kitchener	28 "	1,827,759.13
Essex	21 "	44,918.71	Lakefield	16 "	18,526.31
Etobicoke Township.	22 "	338,384.68	Lambeth	24 "	13,363.40
Exeter	23 "	58,887.04	Lanark	20 "	8,402.98
Fergus	25 "	90,900.54	Lancaster	20 "	8,050.22
Finch	17 "	6,315.47	La Salle	19 "	19,864.16
Flesherton	24 "	8,709.14	Leamington	21 "	126,612.32
Fonthill	19 "	9,585.43	Lindsay	16 "	145,145.09
Forest	22 "	47,590.37	Listowel	23 "	110,176.71
Forest Hill	21 "	271,996.64	London	28 "	3,342,299.85
Galt	28 "	766,522.01	London Township	20 "	30,597.92
Georgetown	26 "	145,910.21	Long Branch	14 "	43,158.15
Glencoe	21 "	27,992.19	Lucan	24 "	24,447.51
Goderich	25 "	170,000.86	Lucknow	20 "	28,333.92
Grand Valley	23 "	16,397.26	Lynden	24 "	17,170.03
Granton	23 "	10,758.92	Madoc	15 "	11,467.51
Gravenhurst	24 "	44,437.96	Markdale	23 "	14,258.16
Grimsby	3 "	6,237.04	Markham	21 "	27,294.20
Guelph	28 "	913,148.29	Marmora	16 "	8,062.40
Hagersville	26 "	103,478.47	Martintown	20 "	2,858.02
Hamilton	28 "	7,169,387.46	Maxville	20 "	12,832.45
Hanover	23 "	111,497.43	Meaford	20 "	43,533.88
Harriston	23 "	46,753.36	Merlin	21 "	15,303.64
Harrow	21 "	37,069.78	Merritton	23 "	268,650.79
Hastings	14 "	5,585.28	Midland	26 "	301,488.60
Havelock	16 "	16,249.35	Mildmay	12 "	5,446.62
Hensall	23 "	22,976.38	Millbrook	6 "	1,600.80
Hespeler	28 "	166,386.29	Milton	26 "	135,629.06
Highgate	23 "	12,962.85	Milverton	23 "	55,698.34
Holstein	23 "	3,591.06	Mimico	27 "	194,275.33
Humberstone	21 "	31,014.04	Mitchell	28 "	61,164.37
Huntsville	23 "	83,391.82	Moorefield	21 "	8,280.72
Ingersoll	28 "	255,320.80	Morrisburg	7 "	3,920.17

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1944

Municipality	Period of years ended Oct. 31, 1944	Amount	Municipality	Period of years ended Oct. 31, 1944	Amount
		$ c.			$ c.
Mount Brydges	24 years	10,385.13	Port Dover	21 years	36,732.87
Mount Forest	24 “	45,631.10	Port Elgin	14 “	19,611.03
Napanee	15 “	60,030.15	Port Hope	15 “	87,349.81
Neustadt	21 “	8,264.27	Port McNicoll	25 “	8,583.92
Newbury	21 “	5,865.18	Port Perry	20 “	24,732.64
Newcastle	8 “	3,767.10	Port Rowan	18 “	9,532.21
New Hamburg	28 “	65.825.24	Port Stanley	27 “	55,574.44
New Toronto	25 “	654,955.44	Prescott	25 “	68,685.62
Niagara Falls	24 “	757,838.84	Preston	28 “	347,380.71
Niagara-on-the-Lake	21 “	44,458.78	Priceville	20 “	1,293.24
North York Township	21 “	268,665.03	Princeton	25 “	13,047.73
Norwich	27 “	48,642.30	Queenston	21 “	9,376.67
Norwood	16 “	8,381.91	Richmond	17 “	4,409.30
Oil Springs	21 “	32,156.33	Richmond Hill	20 “	28,642.50
Omemee	5 “	2,481.71	Ridgetown	24 “	57,544.43
Orangeville	23 “	62,204.95	Ripley	20 “	11,010.13
Orono	6 “	1,781.27	Riverside	22 “	110,647.31
Oshawa	16 “	776,725.94	Rockwood	26 “	14,901.11
Ottawa	29 “	317,653.52	Rodney	22 “	18,361.26
Otterville	23 “	12,002.90	Rosseau	14 “	5,135.38
Owen Sound	24 “	305,361.90	Russell	19 “	7,571.87
Paisley	20 “	14,975.09	St. Catharines	23 “	942,552.65
Palmerston	23 “	58,828.37	St. Clair Beach	22 “	9,289.91
Paris	25 “	152,550.33	St. George	24 “	18,738.26
Parkhill	21 “	26,052.24	St. Jacobs	22 “	22,771.65
Penetanguishene	28 “	86,008.49	St. Marys	28 “	174.595.42
Perth	20 “	96,302.12	St. Thomas	28 “	665,502.48
Peterborough	16 “	457,121.37	Sarnia	23 “	857,697.18
Petrolia	23 “	135,563.75	Scarborough Twp.	21 “	269,442.34
Picton	16 “	75,282.26	Seaforth	28 “	81,130.57
Plattsville	25 “	12,600.11	Shelburne	23 “	25.973.02
Point Edward	22 “	89,515.48	Simcoe	24 “	153,912.55
Port Colborne	23 “	136,834.17	Smiths Falls	21 “	140,342.89
Port Credit	27 “	57,234.26	Smithville	4 “	1,996.08
Port Dalhousie	23 “	52,002.03	Southampton	14 “	18,287.53

SOUTHERN ONTARIO SYSTEM *S.O.—SINKING FUND*

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1944

Municipality	Period of years ended Oct. 31, 1944	Amount
		$ c.
Springfield	22 years	11,879.90
Stamford Township	23 “	135,147.22
Stayner	26 “	23,018.93
Stirling	15 “	12,483.49
Stouffville	21 “	23,477.79
Stratford	28 “	787,235.59
Strathroy	25 “	120,812.52
Streetsville	10 “	5,209.42
Sunderland	25 “	13,396.88
Sutton	21 “	23,300.08
Swansea	19 “	124,620.77
Tara	21 “	11,517.96
Tavistock	23 “	61,245.22
Tecumseh	22 “	35,811.47
Teeswater	20 “	16,773.50
Thamesford	25 “	22,923.19
Thamesville	24 “	23,215.61
Thedford	21 “	13,065.76
Thorndale	25 “	11,304.18
Thornton	21 “	4,504.96
Thorold	22 “	141,715.85
Tilbury	24 “	69,393.15
Tillsonburg	28 “	119,214.12
Toronto	28 “	25,507,933.23
Toronto Township	26 “	163,214.48
Tottenham	21 “	14,511.32
Trafalgar Twp. Area No. 1	8 “	10,003.01
Trafalgar Twp. Area No. 2	8 “	3,612.95
Trenton	13 “	126,935.79
Tweed	14 “	14,274.45
Uxbridge	20 “	26.818.31
Victoria Harbour	25 “	8,687.93
Walkerton	14 “	31,324.49
Wallaceburg	24 “	262,139.47
Wardsville	21 “	4,905.00
		$ c.
Warkworth	16 “	5,409.54
Waterdown	28 “	29,040.50
Waterford	24 “	43,189.69
Waterloo	28 “	362,226.63
Watford	22 “	32,871.86
Waubaushene	25 “	6,333.35
Welland	22 “	436,662.77
Wellesley	23 “	20,857.46
Wellington	16 “	14,177.96
West Lorne	23 “	32,445.94
Weston	28 “	324,382.89
Westport	13 “	7,396.36
Wheatley	21 “	19,123.53
Whitby	16 “	72,192.00
Wiarton	14 “	20,977.67
Williamsburg	24 “	8,322.06
Winchester	25 “	26,297.70
Windermere	15 “	3,517.48
Windsor	25 “	4,120,207.86
Wingham	20 “	52,573.28
Woodbridge	25 “	43,776.58
Woodstock	28 “	554,454.67
Woodville	25 “	13,040.99
Wyoming	23 “	10,861.71
York Township	24 “	1,019,808.89
Zurich	22 “	17,620.36
Ontario Reformatory	10 “	9,359.12
Toronto Transportation Commission	23 “	216,187.81
Sandwich, Windsor & Amherstburg Rly.	22 “	213,707.54
Total—Municipalities		69,029,247.31
Total—Rural power district		6,199,226.54
Grand total		75,228,473.85

SOUTHERN ONTARIO SYSTEM

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions

RURAL POWER DISTRICT

Operating Account for year ended October 31, 1944

Revenue from customers in rural power district		$5,463,906.30
Cost of power as provided to be paid under Power Commission Act	$2,191,068.10	
Cost of operation, maintenance and administration	1,436,246.41	
Interest	807,112.27	
Provision for renewals	388,070.49	
Provision for sinking fund	206,931.94	
		5,029,429.21
Balance		$434,477.09

Rates Suspense Account—as at October 31, 1944

Balance at credit November 1, 1943		$2,185,635.46
Interest on account balance		87,384.88
Operating balance for the year		434,477.09
Adjustments made during the year	$2,271.96	
Balance at credit October 31, 1944	2,705,225.47	
	$2,707,497.43	$2,707,497.43

SOUTHERN ONTARIO SYSTEM—Rural Lines

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions

CERTAIN RURAL LINES OPERATED BY MUNICIPALITIES

Statement showing Interest, Renewals, Contingencies and Obsolescence and Sinking Fund charged by the Commission to the Municipalities which operate the respective rural lines for the year ended October 31, 1944

Operated by	Capital cost	Interest	Provision for renewals	Provision for contingencies and obsolescence	Provision for sinking fund	Total interest, renewals, contingencies and obsolescence, and sinking fund charged
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Milton.........	440.82	21.86	8.82	4.41	3.95	39.04
Brechin........	922.02	48.22	18.44	9.22	16.60	92.48
Totals.....	1,362.84	70.08	27.26	13.63	20.55	131.52

Statement showing the total Sinking Fund in respect of each line, together with interest allowed thereon to October 31, 1944

Operated by	Period of years ended October 31, 1944	Amount
		$ c.
Milton....................................	31 years	440.82
Brechin....................................	26 years	691.55
Total....................................	....	1,132.37

THUNDER BAY

Statement showing the amount chargeable (upon annual adjustment) to each
it by the Commission; the amount received by the Commission
or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year	Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Oct. 31, 1944			Operating, maintenance and administrative expenses	Interest	Provision for renewals
	$ c.	$ c.		$ c.	$ c.	$ c.
Fort William	21.00	2,586,969.46	15,485.3	48,824.92	120,127.62	22,991.12
Nipigon Township	28.00	33,258.30	223.2	1,937.19	1,527.26	275.54
Port Arthur	21.00	3,774,338.10	22,673.4	70,755.67	175,341.05	33,461.23
Totals—Municipalities		6,394,565.86	38,381.9	121,517.78	296,995.93	56,727.89
Totals—Rural power district		144,111.32	708.2	2,621.11	6,738.11	1,438.60
Totals—Companies		8,482,641.62	51,983.7	168,313.12	390,040.53	71,978.27
Totals—Rainy River District (N.O.P.)		2,580,148.47	16,971.5	44,152.11	120,640.26	21,449.04
Totals—Mining area—mines		1,907,450.36	7,739.7	36,220.01	89,211.71	7,920.22
Totals—Mining area—townsites		247,275.18	547.6	14,826.70	11,555.39	560.37
		19,756,192.81				
Non-operating capital		586,392.08				
Grand totals		20,342,584.89	116,332.6	387,650.83	915,181.93	160,074.39

THUNDER BAY

Statement showing the net Credit or Charge to each Municipality in respect of
and adjustments made during the year; also the net amount Credited
ended October 31, 1944, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1943	
		Credit	Charge
		$ c.	$ c.
Fort William	Oct. 1926	34,770.64	....
Nipigon Township	Jan. 1925	1,252.86	....
Port Arthur	Dec. 1910	48,071.38	....
Grand totals		84,094.88	....

SYSTEM *T.B.—COST OF POWER*

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1944

costs and fixed charges			Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited to each municipality
Provision for contingencies and obsolescence	Provision for stabliization of rates	Provision for sinking fund	Credit			
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
74,060.95	....	27,243.03	2,945.52	290,302.12	325,191.68	34,889.56
1,048.88	....	350.24	42.46	5,096.65	6,250.08	1,153.43
108,371.84	....	39,747.07	4,312.80	423,364.06	476,141.79	52,777.73
183,481.67	....	67,340.34	(7,300.78)	718,762.83	807.583,55	88,820.72
3,516.12	....	1,517.60	(134.71)	15,696.83	15,696.83	....
246,886.35	....	87,847.31	7,435.49	972,501.07	972,501.07	....
12,033.40	....	27,171.34	....	225,446.15	225,446.15	....
85,922.25	38,808.01	10,943.82	....	269,026.02	269,026.02	....
16,541.92	(5,014.11)	774.30	....	39,244.57	39,244.57	....
548,381.71	33,793.90	195,594.71	....	2,240,677.47	2,329,498.19	88,820.72

SYSTEM *T.B.—CREDIT OR CHARGE*

power supplied to it to October 31, 1943, the cash receipts and payments thereon, or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1944

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1944		Accumulated amount standing as a credit or charge on October 31, 1944	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	34,770.64	34,889.56	....	34,889.56	....
....	1,252.86	1,153.43	....	1,153.43	....
....	48,071.38	52,777.73	....	52,777.73	....
....	84,094.88	88,820.72	....	88,820.72	....

THUNDER BAY SYSTEM

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1944

Municipality	Period of years ended October 31, 1944	Amount
		$ c.
Fort William	18 years	1,051,765.28
Nipigon Township	18 years	10,252.85
Port Arthur	18 years	2,924,877.71
Total—Municipalities		3,986,895.84
Total—Rural power district		44,539.68
Grand total		4,031,435.52

THUNDER BAY SYSTEM

RURAL POWER DISTRICT

Operating Account for year ended October 31, 1944

Revenue from customers in rural power district		$51,092.53
Cost of power as provided to be paid under Power Commission Act	$15,696.83	
Cost of operation, maintenance and administration	17,814.59	
Interest	11,755.34	
Provision for renewals	5,028.70	
Provision for sinking fund	2,647.61	
		52,943.07
Balance		$1,850.54

Rates Suspense Account as at October 31, 1944

Balance at debit, November 1, 1943	$8,647.67	
Interest on account balances	347.10	
Operating balance for the year	1,850.54	
Adjustments made during the year	381.43	
Balance at debit, October 31, 1944		$11,226.74
	$11,226.74	$11,226.74

NORTHERN ONTARIO PROPERTIES

(Operated by The Hydro-Electric Power Commission of Ontario)

FINANCIAL ACCOUNTS

For the year ended October 31, 1944

Relating to Power Properties which are held and operated by the Commission in trust for the Province of Ontario, and which are situated in the following Northern Districts:

Abitibi
Sudbury
Nipissing
Patricia
Rainy River
Rural Power

STATEMENTS

Balance Sheet as at October 31, 1944

Operating Account for the year ended October 31, 1944

Schedules supporting the Balance Sheet as at October 31, 1944
- Fixed Assets—By Districts
- Renewals Reserve
- Contingencies and Obsolescence Reserve
- Sinking Fund Reserve

THE HYDRO-ELECTRIC POWER

NORTHERN ONTARIO

Held and Operated by The Hydro-Electric Power

BALANCE SHEET AS AT

ASSETS

Fixed Assets:			
Abitibi district		$ 28,730,540.76	
Sudbury district		4,459,471.98	
Nipissing district		1,409,990.55	
Patricia district		4,422,237.95	
Rainy River district		1,481,230.63	
Rural power district		887,452.59	
		$ 41,390,924.46	
Less grants-in-aid of construction:			
Province of Ontario—for rural power district		412,901.78	
			$ 40,978,022.68
Current Assets:			
Employees' working funds		$ 4,745.00	
The Hydro-Electric Power Commission of Ontario—current account		2,393,599.51	
Sundry accounts receivable		8,900.78	
Power accounts receivable		651,348.57	
Interest accrued		15,234.38	
Consumers' deposits—securities:			
Bonds at par value	$ 709,000.00		
Stocks at market value	188,307.50		
		897,307.50	
Prepayments		23,299.99	
			3,994,435.73
Inventories:			
Maintenance materials and supplies		$ 122,471.20	
Maintenance tools and equipment		74,862.18	
			197,333.38
Deferred Assets:			
Work in progress—deferred work orders			28,422.76
Unamortized Discount on Debentures			150,758.06
Reserve Fund Investments:			
Investments in Province of Ontario bonds at amortized cost			1,597,714.39
			$ 46,946,687.00

COMMISSION OF ONTARIO

PROPERTIES

Commission of Ontario in trust for the Province of Ontario

OCTOBER 31, 1944

LIABILITIES AND RESERVES

LONG TERM LIABILITIES (at par of exchange):		
Funded debt in the hands of the public	$ 20,678,800.00	
Advances from the Province of Ontario for capital purposes	5,638,174.72	
		$ 26,316,974.72
CURRENT LIABILITIES:		
Power accounts—credit balances	$ 2,739.03	
Consumers' deposits	909,752.97	
Debenture interest accrued	69,109.20	
Miscellaneous accruals	16,690.78	
		998,291.98
RESERVES:		
Renewals	$ 4,017,885.21	
Contingencies and obsolescence	2,812,472.50	
Miscellaneous	287,266.76	
		7,117,624.47
SINKING FUND RESERVES:		
Represented by:		
Funded debt and provincial advances retired through sinking funds	$ 10,700,136.75	
Available balance	842,307.70	
		11,542,444.45
SURPLUS		971,351.38
		$ 46,946,687.00

Auditors' Report

We have made an examination of the balance sheet of the Northern Ontario Properties held and operated by The Hydro-Electric Power Commission of Ontario in trust for the Province of Ontario, as at October 31, 1944 and of the attached statements of operations and surplus for the year ended on that date. In connection therewith we examined or tested accounting records of the Commission and made a general review of the accounting methods and of the operating and income accounts for the year, but we did not make a detailed audit of the transactions.

We report that in our opinion the foregoing balance sheet and related statements of operations and surplus, as more fully reported upon by us to the Lieutenant-Governor in Council, have been drawn up so as to exhibit a true and correct view of the state of the affairs of the Northern Ontario Properties operated by the Commission, at October 31, 1944 and the results of their operation for the year ended on that date, according to the best of our information and the explanations given us and as shown by the books.

CLARKSON, GORDON, DILWORTH & NASH,
Chartered Accountants.

Toronto, Canada,
July 12, 1945.

THE HYDRO-ELECTRIC POWER

NORTHERN ONTARIO

Held and Operated by The Hydro-
in trust for the
Statement of Operations for the

COST OF OPERATION

Power purchased	$ 284,429.60
Operating, maintenance and administrative expenses	1,051,280.26
Interest	1,530,658.32
Provision for renewals	336,180.34
Provision for contingencies and obsolescence	384,161.22
Provision for sinking fund	1,183,099.86
Total cost	$4,769,809.60
Net income for year	230,714.65
	$5,000,524.25

COMMISSION OF ONTARIO

PROPERTIES

Electric Power Commission of Ontario
Province of Ontario
year ended October 31, 1944

REVENUE

Power sold to private companies and customers	$5,000,524.25
	$5,000,524.25

Statement of Surplus for the year ended October 31, 1944

Balance at credit November 1, 1943		$730,575.32
Net income for the year ended October 31, 1944		230,714.65
Transferred from reserves—net		12,432.61
Adjustment in year	$ 2,371.20	
Balance at credit October 31, 1944	971,351.38	
	$973,722.58	$973,722.58

NORTHERN ONTARIO PROPERTIES

Held and Operated by The Hydro-Electric Power Commission of Ontario in trust for the Province of Ontario

Fixed Assets—October 31, 1944

Property	Under construction	Fixed Assets		Total
		In service		
		Non-depreciable	Depreciable	
ABITIBI:	$ c.	$ c.	$ c.	$ c.
Power Plants:				
Abitibi river:				
Abitibi Canyon	108.43	5,530,862.63	13,447,581.71	18,978,552.77
Frederick House dam		168,492.34	686,031.54	854,523.88
Dasserat Lake diversion		4,220.89	34,471.80	38,692.69
	108.43	5,703,575.86	14,168,085.05	19,871,769.34
Transformer Stations	6,862.37	215,856.69	2,059,428.65	2,282,147.71
Transmission Lines	22,988.76	830,142.02	5,633,007.65	6,486,138.43
Local Systems	3,080.40		87,404.88	90,485.28
	33,039.96	6,749,574.57	21,947,926.23	28,730,540.76
SUDBURY:				
Power Plants:				
Wanapitei river:				
Coniston		13,597.20	732,799.66	746,396.86
McVitties		13,323.00	389,078.21	402,401.21
Stinson		33,000.00	656,001.78	689,001.78
Storage dam		25.00	194,870.00	194,895.00
Intangible		830,514.53		830,514.53
Sturgeon river:				
Crystal Falls and Storage dams		44,481.27	936,686.13	981,167.40
		934,941.00	2,909,435.78	3,844,376.78
Transformer Stations	30.00		157,135.08	157,165.08
Transmission Lines			457,930.12	457,930.12
	30.00	934,941.00	3,524,500.98	4,459,471.98
NIPISSING:				
Power Plants:				
South river:				
Nipissing	7,118.62	11,089.60	241,924.01	260,132.23
Bingham Chute		12,130.05	243,097.51	255,227.56
Elliot Chute		119,307.09	334,834.33	454,141.42
Storage dams			76,122.70	76,122.70
Miscellaneous			1,096.64	1,096.64
Intangible		69,478.34		69,478.34
	7,118.62	212,005.08	897,075.19	1,116,198.89
Transformer Stations			44,457.09	44,457.09
Transmission Lines			212,520.54	212,520.54
Local Systems		2,219.65	34,594.38	36,814.03
	7,118.62	214,224.73	1,188,647.20	1,409,990.55

NORTHERN ONTARIO PROPERTIES

Held and Operated by The Hydro-Electric Power Commission of Ontario in trust for the Province of Ontario

Fixed Assets—October 31, 1944

Property	Under construction	Fixed Assets		Total
		In service		
		Non-depreciable	Depreciable	
PATRICIA:	$ c.	$ c.	$ c.	$ c.
Power Plants:				
English river:				
Ear Falls		566.75	1 813,679.87	1,814,246.62
Albany river:				
Rat Rapids		39,297.44	554,807.60	594,105.04
		39,864.19	2,368,487.47	2,408,351.66
Transformer Stations			166,572.81	166,572.81
Transmission Lines			1,798,004.00	1,798,004.00
Local Systems	440.63		48,868.85	49,309.48
	440.63	39,864.19	4,381,933.13	4,422.237,95
RAINY RIVER:				
Transformer Stations	2,258.22		128,148.22	130,406.44
Transmission Lines	57,750.21	238,900.39	1,037,732.84	1,334,383.44
Local System	16,440.75			16,440.75
	76,449.18	238,900.39	1,165,881.06	1,481,230.63
NORTHERN ONTARIO PROPERTIES RURAL POWER DISTRICT:				
Transformer Stations			10,820.23	10,820.23
H-E.P.C. investment	44,629.03		419,101.55	463,730.58
Government grants			412,901.78	412,901.78
	44,629.03		842,823.56	887,452.59

SUMMARY

Property	Under construction	Fixed Assets		Total
		In service		
		Non-depreciable	Depreciable	
	$ c.	$ c.	$ c.	$ c.
Abitibi district	33,039.96	6,749,574.57	21,947,926.23	28,730,540.76
Sudbury district	30.00	934,941.00	3,524,500.98	4,459,471.98
Nipissing district	7,118.62	214,224.73	1,188,647.20	1,409,990.55
Patricia district	440.63	39,864.19	4,381,933.13	4,422,237.95
Rainy river district	76,449.18	238,900.39	1,165,881.06	1,481,230.63
Rural power district	44,629.03		842,823.56	887,452.59
	161,707.42	8,177,504.88	33,051,712.16	41,390,924.46
Less Grants-in-aid of construction: Province of Ontario for rural power district			412,901.78	412,901.78
	161,707.42	8,177,504.88	32,638,810.38	40,978,022.68

NORTHERN ONTARIO

STATEMENT SHOWING CHANGES IN FIXED ASSETS

Class of Asset	Balance at beginning of year	Expenditure during year
	$ c.	$ c.
POWER PLANTS:		
Abitibi district	19,921,932.54	383.68
Sudbury district	3,845,176.78	....
Nipissing district	1,109,092.00	7,106.89
Patricia district	2,408,244.03	177.63
	27,284,445.35	7,668.20
TRANSFORMER STATIONS:		
Abitibi district	2,272,890.79	12,698.18
Sudbury district	157,135.08	30.00
Nipissing district	44,361.80	95.29
Patricia district	162,016.14	4,556.67
Rainy River district	66,167.60	64,238.84
	2,702,571.41	81,618.98
TRANSMISSION LINES:		
Abitibi district	6,475,196.86	11,641.57
Sudbury district	458,562.50	1.00
Nipissing district	212,520.54	....
Patricia district	1,797,685.35	836.51
Rainy River district	971,301.68	363,081.76
	9,915,266.93	375,560.84
LOCAL SYSTEMS:		
Abitibi district	87,537.14	3,012.14
Nipissing district	36,627.92	190.11
Patricia district	48,375.00	988.48
Rainy River district	....	16,440.75
	172,540.06	20,631.48
Sub-total	40,074,823.75	485,479.50
RURAL POWER DISTRICT:		
Transformer station	10,820.23	....
H-E.P.C. investment	402,949.99	61,167.25
Government grants	396,788.19	16,500.25
	810,558.41	77,667.50
	40,885,382.16	563,147.00
Less Grants in aid of construction:		
Province of Ontario for rural power districts	396,788.19	16,113.59
	40,488,593.97	547,033.41

PROPERTIES

DURING YEAR ENDED OCTOBER 31, 1944

Adjustment for equipment re-located	Retirements		Balance at end of year
	Values recovered (stores, sales and salvage)	Charged to reserves for renewals, contingencies and operation*	
$ c.	$ c.	$ c.	$ c.
.....	*546.88*	*50,000.00*	19,871,769.34
.....	.....	*800.00*	3,844,376.78
.....	.....	.....	1,116,198.89
.....	.....	*70.00*	2,408,351.66
.....	*546.88*	*50.870,00*	27,240,696.67
.....	*677.78*	*2,763.48*	2,282,147.71
.....	.....	.....	157,165.08
.....	.....	.....	44,457.09
.....	.....	.....	166,572.81
.....	.....	.....	130,406.44
.....	*677.78*	*2,763.48*	2,780,749.13
.....	.....	*700.00*	6,486,138.43
154.00	.....	*479.38*	457,930.12
.....	.....	.....	212,520.54
.....	*2.26*	*515.60*	1,798,004.00
.....	.....	.....	1,334,383.44
154.00	*2.26*	*1,694.98*	10,288,976.53
.....	.....	*64.00*	90,485.28
.....	.....	*4.00*	36,814.03
.....	.....	*54.00*	49,309.48
.....	.....	.....	16,440.75
.....	.....	*122.00*	193,049.54
154.00	*1,226.92*	*55,450.46*	40,503,471.87
.....	.....	.....	10,820.23
77.00	.....	*463.66*	463,730.58
77.00	.....	*463.66*	412,901.78
154.00	.....	*927.32**	887,452.59
.....	*1,226.92*	*56,377.78*	41,390,924.46
.....	.....	.....	412,901.78
.....	*1,226.92*	*56,377.78*	40,978,022.68

NORTHERN ONTARIO PROPERTIES

Embracing the Abitibi, Sudbury, Nipissing, Patricia, Rainy River Districts and Northern Rural Power District

Held and Operated by The Hydro-Electric Power Commission of Ontario in trust for the Province of Ontario

Renewals Reserve—October 31, 1944

Balance at November 1, 1943		$3,547,626.69	
Provision in the year	$336,180.34		
Interest at 4% on reserve balance	141,905.06		
		478,085.40	
		$4,025,712.09	
Expenditures in the year		7,826.88	
Balance at October 31, 1944			$4,017,885.21

Contingencies and Obsolescence Reserve—October 31, 1944

Balance at November 1, 1943		$2,472,792.37	
Provision in the year	$384,161.22		
Interest at 4% on reserve balance	98,911.70		
		483,072.92	
		$2,955,865.29	
Contingencies met with during the year		143,392.79	
Balance at October 31, 1944			$2,812,472.50

Sinking Fund Reserve—October 31, 1944

Balance at November 1, 1943		$9,960,908.26	
Provision in the year	$1,183,099.86		
Interest at 4% on reserve balance	398,436.33		
		1,581,536.19	
Balance at October 31, 1944			$11,542,444.45

THE HAMILTON STREET RAILWAY COMPANY

(A wholly-owned Subsidiary of The Hydro-Electric Power Commission
of Ontario—Southern Ontario System)

FINANCIAL ACCOUNTS

For the year ended October 31, 1944

Balance Sheet as at October 31, 1944

Operating Statement for the year ended October 31, 1944

THE HAMILTON STREET

(A Wholly-Owned Subsidiary of The Hydro-Electric

BALANCE SHEET AS AT

ASSETS

FIXED ASSETS:		
Properties, road and equipment, buses, franchises, etc.		$4,546,249.02
CURRENT ASSETS:		
The Hydro-Electric Power Commission of Ontario—current account	$791,809.51	
Conductors' and employees' advances	20,800.00	
Accounts receivable	3,495.39	
Interest accrued	225.00	
Prepayments	7,205.58	
		823,535.48
MATERIALS AND SUPPLIES		92,625.76
INSURANCE RESERVE FUND INVESTMENTS:		
Investments in Province of Ontario and Dominion of Canada bonds at amortized cost		104,717.80
		$5,567,128.06

RAILWAY COMPANY

Power Commission of Ontario—Southern Ontario System)

OCTOBER 31, 1944

LIABILITIES

CAPITAL STOCK:		
Authorized—80,000 shares at a par value of $50.00 each..	$4,000,000.00	
Issued—64,100 shares at a par value of $50.00 each		$3,205,000.00
CURRENT LIABILITIES:		
Rentals accrued		1,157.00
RESERVES:		
Depreciation—road and equipment	$2,138,542.37	
Insurance	115,611.61	
Miscellaneous	85,617.30	
		2,339,771.28
SURPLUS		21,199.78
		$5,567,128.06

Auditors' Report

We have made an examination of the balance sheet of The Hamilton Street Railway Company as at October 31, 1944 and of the attached statements of operations and surplus for the year ended on that date. In connection therewith we examined or tested accounting records of the Company and made a general review of the accounting methods and of the operating and income accounts for the year, but we did not make a detailed audit of the transactions.

We report that in our opinion, subject to the adequacy of the accumulated reserve for depreciation, the foregoing balance sheet and related statements of operations and surplus have been drawn up so as to exhibit a true and correct view of the state of the affairs of The Hamilton Street Railway Company at October 31, 1944 and the results of its operations for the year ended on that date, according to the best of our information and the explanations given us and as shown by the books.

CLARKSON, GORDON, DILWORTH & NASH,
Chartered Accountants.

Toronto, Canada,
July 12, 1945.

THE HAMILTON STREET RAILWAY COMPANY

(A wholly-owned subsidiary of The Hydro-Electric Power Commission of Ontario—Southern Ontario System)

Statement of Operations for the year ended October 31, 1944

REVENUES:	
Transportation	$2,265,122.79
Other operations	18,035.87
	$2,283,158.66
EXPENSES:	
Maintenance of way and structures	$ 73,126.63
Maintenance of equipment	254,320.09
Electric power and motor fuel	214,401.05
Transportation expenses	520,567.06
General and miscellaneous expenses	173,833.82
Taxes (municipal and franchise)	111,632.60
	$1,347,881.25
Provision for depreciation	263,298.62
	$1,611,179.87
NET REVENUE FOR YEAR ENDED OCTOBER 31, 1944	$ 671,978.79

Statement of Surplus for the year ended October 31, 1944

Balance at credit November 1, 1943		$ 22,958.65
Net revenue for year ended October 31, 1944		671,978.79
		$ 694,937.44
Less:		
Additional provision for depreciation in respect of prior years.	$550,000.00	
Dividend paid	123,737.66	
		673,737.66
Balance at credit October 31, 1944		$ 21,199.78

SECTION X

MUNICIPAL ACCOUNTS

and

Statistical Data Relating to Hydro-Electric Distribution Systems Operated by Individual Municipalities Served by The Hydro-Electric Power Commission of Ontario

The Municipal Accounts section of this report presents in summary, and individually, the results of the operation of the local electrical utilities in municipalities owning their own distributing systems and operating with energy supplied by or through The Hydro-Electric Power Commission.

Financial statements prepared from the books of these Hydro utilities are submitted herein to show how each has operated during the past year, and its financial status at the present time. Other tables give useful statistical information respecting average costs for the various classes of service and the rates in force.

The books of account of the electrical utilities in all municipalities which have contracted with The Hydro-Electric Power Commission of Ontario for a supply of power are kept in accordance with an accounting system designed by the Commission.

Periodical inspections are made of the books of all Hydro electrical utilities and local officials are assisted in the improvement of their office routine with a view to standardizing, as far as possible, the methods employed. In the majority of the smaller municipalities much of the book-keeping for the electrical utilities is performed by representatives of the municipal accounting department of the Commission as a measure of economy. This arrangement insures the correct application of the standard accounting system, with resultant uniformity in classification of revenues and expenditures; secures true reflections of the actual operating results for the year, and greatly enhances the comparative values of the reports.

The first financial statement in this section presents consolidated balance sheets for the past eight years. Similar data for earlier years since 1913 were published in the Report for 1943. This consolidated statement combines the balance sheets of all local municipal Hydro utilities receiving power under cost contracts. It is worth noting that the total plant value has increased from $10,081,469.16 in 1913 to $103,089,543.64 in 1944, and the total assets from $11,907,826.86 to $206,175,328.24. The liabilities have not increased in the same proportion as the assets, rising from $10,468,351.79 to a maximum of $52,685,316.86 in 1932, and receding to $16,073,250.87 in 1944. The reasons for this are the regular fulfilment of debt retirement schedules under serial debenture provisions or by maturity of sinking funds, and also the fact that much of the cost of the increasing plant value has been financed out of reserves and surplus without increasing the capital liabilities of the respective utilities. By this procedure the funds of the systems are used to best advantage. Examination of the results will also show that there is a steady decline in the percentage of net liabilities to total assets; being from 88.0 per cent in 1913 to 7.4 per cent in 1944. The equities in The Hydro-Electric Power Commission's systems automatically acquired through the inclusion of sinking funds as part of the cost of power are not taken into account in arriving at these percentages.

The second financial statement presents consolidated operating reports for the past eight years and combines the results from all local municipal Hydro utilities receiving power under cost contracts. After providing for every cost operation and fixed charges, including the standard provision for depreciation, the combined operating reports show a net surplus of $3,938,375.14 for 1944. (See also diagrams in Foreword to Report.)

The five statements, "A" to "E", following the two consolidated reports show the financial status of each municipal utility and the results of operations, giving classified information respecting revenue, operating costs, number of consumers and consumption, cost of power to municipalities, power and lighting rates charged to consumers, etc. In statements "A" and "B", the municipalities are arranged alphabetically under each system; in statement "D" the municipalities are arranged in three groups—cities, towns and small municipalities; in statements "C" and "E" all municipalities are arranged alphabetically. (Statement "C" suspended, see below.)

Statement "A" presents the balance sheet of each electrical utility. The plant values are shown under the general subdivisions specified in the standard accounting system and the other items on the positive side of the ledger which are included in total assets are self-explanatory.

In conformity with a policy of service at cost to the customer, refunds by cash or credit are made during the year in many municipalities from surplus funds accrued to the credit of municipal services, such as street lighting, water works, sewage disposal, etc., and to individual customers. The total thus returned to customers during the year 1944 amounted in round figures to $842,000.00.

The reserves for depreciation, and the acquired equity in The Hydro-Electric Power Commission's systems, are listed individually and totalled; and under the heading "surplus" are included not only the operating surplus but the accumulation of sinking fund applicable to debenture debt and also the amount of debentures already retired out of revenue.

The depreciation reserve now amounts to 34.9 per cent of the total depreciable plant, while the depreciation reserve and surplus combined have already reached the sum of $114,306,932.54, being equal to 110.9 per cent of the total plant cost.

Statement "B" shows the detailed operating report for each municipal electrical utility. It gives annual revenues from the various classes of consumers; the items of expenditure which make up the total annual expenditure and the sums set aside for depreciation. The population served by each local utility and the number of consumers of each class are also shown.

The item "cost of power supplied by H-E.P.C." in this statement includes the debit or credit balances ascertained by the annual adjustment of the cost of power supplied to the municipalities by the Commission.*

Of the 298 municipal electrical utilities included in this statement, 285 received from consumers revenue sufficient to meet in full all operating expenses, interest, debt retirement instalments, and standard depreciation reserve allocation and to yield an aggregate net surplus of $3,950,864.80 for the year; 10 were able to defray out of revenue all such charges except a portion of the standard depreciation allocation aggregating $11,102.95, in the case of 3 utilities the revenue was less than the total operating expenses, interest and debt retirement instalments by $100.71.

Statement "C". Due to street lighting restrictions by the Power Controller since 1942 this statement has been omitted as it could not be used for comparative purposes.

Statement "D" presents statistics relating to the supply of electrical energy to consumers in Ontario municipalities served by the Commission. It shows the revenue, kilowatt-hour consumption, number of consumers, average monthly consumption, average monthly bill and the net average cost per kilowatt-hour both for domestic and for commercial light service in each municipality. For power service this statement shows the revenue, the number of consumers and the average horsepower supplied by the municipal utility.† For further reference to this informative statement, consult the special introduction to it on page 290.

Statement "E" presents the cost per horsepower of the power provided for and delivered to the municipalities by the Commission, and the local rates to consumers in force in the respective municipalities, during the year 1944, for domestic service, for commercial light service and for power service.

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*In 1939 and 1940 a number of municipalities asked permission to take power cost adjustments into the following year, to facilitate the earlier closing of their books. On this account, from 1941 on, with few exceptions the Balance Sheet shows the previous year's equity in Hydro Commission properties; and the Cost of Power in the Operating Statement includes the previous year's adjustments.

†The statistics include retail power only. Wholesale industrial power as supplied by the Commission direct, is reported in Section IX.

CONSOLIDATED

YEAR	1937	1938	1939
Number of municipalities included	287	288	293
ASSETS	$ c.	$ c.	$ c.
Lands and buildings	10,785,473.59	10,894,019.12	11,030,623.50
Substation equipment	22,900,269.21	23,614,597.80	23,780,655.18
Distribution system—overhead	22,699,652.43	23,371,092.61	23,925,362.60
Distribution system—underground	6,100,282.76	6,134,283.64	6,202,371.87
Line transformers	10,128,591.29	10,494,789.40	10,855,346.75
Meters	9,234,773.90	9,539,413.66	9,838,600.98
Street lighting equipment—regular	2,610,137.97	2,697,047.84	2,798,171.62
Street lighting equipment—ornamental	1,508,564.76	1,516,059.81	1,518,035.24
Miscellaneous construction expenses	4,389,592.08	4,444,880.40	4,147,280.84
Steam or hydraulic plant	496,186.33	497,974.74	498,650.81
Old plant	4,878,609.01	4,897,097.67	4,894,655.59
Total plant	95,732,133.33	98,101,256.69	99,489,754.98
Bank and cash balance	3,080,864.13	3,043,609.87	3,107,087.65
Securities and investments	4,469,369.04	4,832,322.57	4,850,531.80
Accounts receivable	4,240,741.41	4,106,655.16	4,774,816.58
Inventories	1,336,527.60	1,393,158.18	1,496,275.62
Sinking fund on local debentures	10,003,873.93	10,397,958.20	11,032,594.44
Equity in H-E.P.C. systems	40,032,438.34	44,254,118.64	48,615,296.94
Other assets	186,252.23	178,534.60	156,520.39
Total assets	159,082,200.01	166,307,613.91	173,522,878.40
LIABILITIES			
Debenture balance	32,447,411.68	29,987,512.34	27,962,685.51
Accounts payable	2,912,960.24	3,334,802.82	3,100,565.26
Bank overdraft	34,787.51	108,753.61	180,064.81
Other liabilities	3,216,028.08	3,120,619.84	2,998,174.20
Total liabilities	38,611,187,51	36,551,688.61	34,241,489.78
RESERVES			
For equity in H-E.P.C. systems	40,032,438.34	44,254,118.64	48,615,296.94
For depreciation	21,034,164.68	22,583,476.69	24,046,526.92
Other reserves	2,802,650.84	2,814,785.08	3,090,471.34
Total reserves	63,869,253.86	69,652,380.41	75,752,295.20
SURPLUS			
Debentures paid	28,468,539.78	30,890,189.93	32,866,660.82
Local sinking fund	10,003,873.93	10,397,958.20	11,032,594.44
Operating surplus	18,129,344.93	18,815,396.76	19,629,838.16
Total surplus	56,601,758.64	60,103,544.89	63,529,093.42
Total liabilities, reserves and surplus	159,082,200.01	166,307,613.91	173,522,878.40
Percentage of net debt to total assets	25.2	22.4	19.3

BALANCE SHEET

1940	1941	1942	1943	1944
295	296	297	298	298
$ c.	$ c	$ c.	$ c	$ c.
11,218,258.69	11,488,173.96	11,546,286.55	11,664,887.81	11,713,108.74
24,282,151.78	24,896,262.26	25,359,352.47	25,392,202.96	25,805,344.10
24,653,458.44	25,228,363.52	25,572,132.86	25,773,224.22	26,075,416.77
6,214,957.69	6,391,399.25	6,446,133.75	6,451,393.47	6,385,742.19
11,030,643.29	11,817,440.89	12,209,624.79	12,353,367.17	12,698,080.21
9,927,971.40	10,644,655.81	10,938,305.73	11,117,612.15	11,339,479.64
2,879,996.65	2,940,055.38	2,928,896.30	2,903,704.11	2,926,365.70
1,534,320.08	1,540,369.82	1,543,717.00	1,542,294.82	1,542,819.42
4,341,259.94	4,366,893.41	4,091,006.92	3,740,027.08	3,414,557.25
498,575.87	445,118.58	422,172.72	397,576.71	368,022.38
1,332,606.12	1,329,860.41	1,028,830.05	936,561.90	820,607.24
97,914,199.95	101,088,593.29	102,086,459.14	102,272,852.40	103,089,543.64
4,462,197.18	2,991,173.27	2,482,945.50	2,341,996.68	1,947,073.36
5,315,855.49	8,368,139.57	12,592,455.09	17,037,057.29	21,245,620.67
4,715,848.86	4,116,252.29	3,614,066.68	3,347,449.72	3,710,514.76
1,630,987.28	1,984,025.53	2,047,430.38	1,750,799.42	1,622,866.57
5,829,573.87	5,530,647.79	5,445,199.46	5,028,551.56	4,880,499.77
52,457,676.76	52,458,225.18	57,080,491.77	62,031,673.13	69,486,548.01
258,395.70	226,034.26	197,190.92	537,366.80	192,661.46
172,584,735.09	176,763,091.18	185,546,238.94	194,347,747.00	206,175,328.24
20,636,363.20	17,805,415.36	16,184,642.53	13,657,032.51	11,612,359.10
3,095,613.25	3,088,145.27	2,399,404.91	2,699,630.77	1,701,420.70
187,038.91	302,744.63	105,571.05	118,834.40	174,491.81
3,004,624.22	2,987,132.70	2,806,844.10	2,618,742.94	2,584,979.26
26,923,638.58	24,183,437.96	21,496,462.59	19,094,240.62	16,073,250.87
52,457,676.76	52,458,225.18	57,080,491.77	62,031,673.13	69,486,548.01
25,733,628.33	27,795,985.72	29,840,207.73	32,138,469.64	34,006,953.37
3,326,591.65	3,592,384.90	4,907,609.88	5,449,398.96	6,308,596.82
81,517,896.74	83,846,595.80	91,828,309.38	99,619,541.73	109,802,098.20
37,245,922.84	39,943,340.75	41,183,741.27	43,552,091.22	45,475,788.84
5,829,573.87	5,530,647.79	5,445,199.46	5,028,551.56	4,880,499.77
21,067,703.06	23,259,068.88	25,592,526.24	27,053,321.87	29,943,690.56
64,143,199.77	68,733,057.42	72,221,466.97	75,633,964.65	80,299,979.17
172,584,735.09	176,763,091.18	185,546,238.94	194,347,747.00	206,175,328.24
17.4	14.6	11.9	10.0	7.4

CONSOLIDATED

YEAR	1937	1938	1939
Number of municipalities included	287	288	293
EARNINGS	$ c.	$ c.	$ c.
Domestic service	12,448,345.63	12,607,601.30	13,038,748.37
Commercial light service	6,510,685.15	6,727,374.48	7,077,144.74
Commercial power service	11,063,764.43	10,527,631.36	10,957,719.66
Municipal power	1,731,311.34	1,677,069.34	1,760,977.25
Street lighting	1,781,363.37	1,813,555.27	1,831,090.33
Merchandise	22,971.02	26,588.18	28,874.86
Miscellaneous	607,035.54	602,012.80	595,235.49
Total earnings	34,165,476.48	33,981,832.73	35,289,790.70
EXPENSES			
Cost of power supplied by H-E.P.C.	20,532,736.85	20,575,457.95	21,855,595.20
Substation operation	490,737.94	493,651.06	516,987.25
Substation maintenance	300,389.49	351,013.94	377,013.25
Distribution system, operation and maintenance	889,990.11	921,064.94	943,859.59
Line transformer maintenance	81,365.18	94,040.92	95,577.72
Meter maintenance	343,658.47	384,357.58	386,145.71
Consumers' premises expenses	420,366.36	483,012.96	488,980.55
Street lighting, operation and maintenance	364,325.53	373,065.44	384,071.55
Promotion of business	294,574.21	309,626.97	317,467.64
Billing and collecting	980,540.10	987,040.66	1,008,065.66
General office, salaries and expenses	940,890.76	931,120.05	966,550.98
Undistributed expense	476,370.44	430,609.32	463,456.65
Truck operation and maintenance	77,995.38	84,111.05	80,263.46
Interest	1,752,287.58	1,642,663.25	1,594,040.32
Sinking fund and principal payments on debentures	2,429,565.06	2,424,098.70	2,420,441.30
Total expenses	30,375,793.46	30,484,934.79	31,898,516.83
Surplus	3,789,683.02	3,496,897.94	3,391,273.87
Depreciation and other reserves	2,329,625.64	2,451,529.46	2,524,364.33
Surplus less depreciation	1,460,057.38	1,045,368.48	866,909.54

OPERATING REPORT

1940	1941	1942	1943	1944
195	296	297	298	298
$ c.	$ c	$ c	$ c.	$ c.
13,705,710.79	14,287,828.19	14,874,937.14	14,933,681.48	15,371,752.19
7,642,679.90	7,885,693.81	7,604,860.27	6,713,348.61	7,219,403.43
12,458,439.08	14,591,053.03	15,433,320.91	15,687,273.31	16,222,143.48
1,741,235.23	1,832,379.38	2,026,826.92	2,031,027.12	2,111,454.22
1,842,443.63	1,880,560.01	1,820,216.28	1,686,149.29	1,729,320.48
56,818.83	58,695.51	50,276.58	31,300.28	35,378.31
577,959.98	526,771.53	680,825.29	782,170.04	897,433.28
38,025,287.44	41 062,981.46	42,491,263.39	41,864,950.13	43,586,885.39
23,756,863.14	26,017,260.84	26,459,900.78	26,587,877.32	26,937,460.31
544,234.10	552,820.54	581,259.02	612,227.01	611,878.05
322,375.73	316,677.27	361,643.95	370,797.74	419,983.12
930,055.53	993,886.44	1,087,818.81	1,143,720.84	1,147,646.14
101,617.16	114,304.18	133,888.95	145,094.88	145,701.29
372,562.74	409,252.72	440,877.18	443,307.27	445,437.44
568,135.41	604,642.97	513,565.10	527,810.36	513,953.14
366,911.70	379,905.55	397,614.93	380,405.50	445,945.93
293,022.17	262,910.03	193,692.33	171,894.14	156,566.54
1,020,648.93	1,074,173.90	1,171,345.63	1,226,185.63	1,264,759.35
960,065.70	1,053 367.83	1,067,535.39	1,117,334.29	1,139,174.46
555,414.26	480,317.80	553,599.71	510,448.34	522,204.17
79,848.64	93,032.89	99,379.20	94,830.33	104,222.84
1,464,381.29	1,027,985.34	973,383.83	844,161.48	707,925.20
2,389,723.60	2,248,937.42	2,006,148.29	1,871,119.81	1,564,537.45
33,725,860.10	35,629,475.72	36,041,653.10	36,047,214.94	36,127,395.43
4,299,427.34	5,433,505.74	6,449,610.29	5,817,735.19	7,459,489.96
2,644,127.10	2,933,730.99	3,586,198.82	3,867,107.58	3,521,114.82
1,655,300.24	2,499,774.75	2,863,411.47	1,950,627.61	3,938,375.14

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM

Municipality	Acton	Agincourt	Ailsa Craig	Alexandria	Alliston
Population	1,927	P.V.	446	1,975	1,504
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	1,627.38	....	....	202.00	....
Substation equipment	2,318.36	....	....	....	675.73
Distribution system—overhead	27,242.15	9,526.00	7,844.15	28,190.81	29,269.04
Distribution system—underground	....	....	....	....	....
Line transformers	16,002.46	5,952.83	3,814.67	9,716.52	9,178.01
Meters	12,705.14	3,319.88	2,780.29	8,131.42	8,949.41
Street light equipment, regular	2,499.95	1,030.30	457.58	2,233.59	1,567.17
Street light equipment, ornamental	....	....	....	....	....
Miscellaneous construction expense	1,628.13	23.30	492.36	5,461.23	2,454.21
Steam or hydraulic plant	....	....	....	....	....
Old plant	....	....	....	4,466.89	7,846.49
Total plant	64,023.57	19,852.31	15,389.05	58,402.46	59,940.06
Bank and cash balance	2,243.18	1,256.21	1,988.21	1,516.29	1,837.79
Securities and investments	20,000.00	13,500.00	9,500.00	34,000.00	22,500.00
Accounts receivable	634.17	100.12	402.23	2,181.82	60.09
Inventories	1,234.70	....	....	....	18.65
Sinking fund on local debentures	....	....	....	....	....
Equity in H-E.P.C. systems	92,353.89	14,760.07	19,213.45	37,083.39	30,714.51
Other assets	7.37	....	....	6.96	....
Total assets	180,496.88	49,468.71	46,492.94	133,190.92	115,071.10
Deficit	....	....	....	....	....
Total	180,496.88	49,468.71	46,492.94	133,190.92	115,071.10
LIABILITIES					
Debenture balance	....	....	....	....	6,489.94
Accounts payable	144.54	438.67	80.28	2.68	99.72
Bank overdraft	....	....	....	....	....
Other liabilities	1,045.49	....	160.00	378.14	404.00
Total liabilities	1,190.03	438.67	240.28	380.82	6,993.66
RESERVES					
For equity in H-E.P.C. systems	92,353.89	14,760.07	19,213.45	37,083.39	30,714.51
For depreciation	14,966.08	4,678.08	8,199.48	25,115.96	24,163.02
Other reserves	2,200.00	1,542.90	....	2,213.31	7,832.51
Total reserves	109,519.97	20,981.05	27,412.93	64,412.66	62,710.04
SURPLUS					
Debentures paid	14,500.00	8,072.65	6,883.38	48,133.84	33,510.06
Local sinking fund	....	....	....	....	....
Operating surplus	55,286.88	19,976.34	11,956.35	20,263.60	11,857.34
Total surplus	69,786.88	28,048.99	18,839.73	68,397.44	45,367.40
Total liabilities, reserves and surplus	180,496.88	49,468.71	46,492.94	133,190.92	115,071.10
Percentage of net debt to total assets	1.4	1.3	0.9	0.4	8.3

"A"

Hydro Municipalities as at December 31, 1944

Alvinston 648	Amherstburg 2,709	Ancaster Twp.	Apple Hill P.V.	Arkona 368	Arnprior 4,027	Arthur 896
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
133.56	....	....	169.06	....	....	....
....	....	....	....	....	....	....
16,838.20	39,908.40	21,231.44	3,009.09	10,132.20	28,607.52	18,333.27
....	....	....	....	....	....	....
3,801.25	21,949.97	14,713.03	1,421.37	2,892.78	11,996.64	5,346.78
3,624.10	17,548.66	6,724.74	1,376.05	2,027.12	14,794.95	4,983.89
1,280.09	1,587.79	1,547.72	421.12	750.31	6,115.00	796.21
....	5,598.72	....	....	....	....	....
943.75	5,182.70	797.68	218.18	255.19	113.59	307.33
....	....	....	....	....	....	....
....	....	....	709.55	1,030.30	....	1,086.62
26,620.95	91,776.24	45,014.61	7,324.42	17,087.90	61,627.70	30,854.10
2,007.59	4,346.11	2,367.90	1,156.68	32.14	25.00	....
9,000.00	41,350.00	7,500.00	4,000.00	3,000.00	31,000.00	6,500.00
31.04	1,325.06	848.18	51.79	23.57	280.88	125.26
....	43.30	201.68	....	....	920.62	....
....	....	....	....	....	....	....
19,197.62	71,031.50	22,874.18	4,183.66	8,067.19	10,787.47	24,383.13
....	....	10.68	....	....	....	....
56,857.20	209,872.21	78,817.23	16,716.55	28,210.80	104,641.67	61,862.49
....	....	....	....	....	....	10,309.72
56,857.20	209,872.21	78,817.23	16,716.55	28,210.80	104,641.67	72,172.21
....	5,098.48	5,202.23	....	1,070.78	19,920.85	6,278.18
....	2,045.90	1,486.09	22.75	....	659.38	369.12
....	....	....	....	....	2,208.17	179.09
73.00	6,749.92	248.17	26.63	28.00	1,950.93	415.00
73.00	13,894.30	6,936.49	49.38	1,098.78	24,739.33	7,241.39
19,197.62	71,031.50	22,874.18	4,183.66	8,067.19	10,787.47	24,383.13
11,052.65	32,911.01	13,350.30	3,130.31	4,578.77	6,997.16	21,825.87
59.50	10,513.56	38.69	....	....	10,000.00	....
30,309.77	114,456.07	36,263.17	7,313.97	12,645.96	27,784.63	46,209.00
23,529.24	26,955.12	8,908.05	6,000.00	12,042.05	35,548.28	18,721.82
....	....	....	....	....	....	
2,945.19	54,566.72	26,709.52	3,353.20	2,424.01	16,569.43	....
26,474.43	81,521.84	35,617.57	9,353.20	14,466.06	52,117.71	18,721.82
56,857.20	209,872.21	78,817.23	16,716.55	28,210.80	104,641.67	72,172.21
0.2	6.2	12.4	0.4	5.5	26.3	19.3

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Athens	Aurora	Aylmer	Ayr	Baden
Population	641	2,914	2,474	693	P.V.
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings		1,000.00	11,010.00	125.00	660.64
Substation equipment		1,400.00			
Distribution system—overhead	14,364.26	24,576.36	27,786.89	13,158.81	9,613.54
Distribution system—underground					
Line transformers	2,401.06	23,659.30	16,633.38	5,916.92	8,647.60
Meters	3,338.46	14,832.99	14,036.04	4,550.25	4,492.08
Street light equipment, regular	698.90	6,227.00	4,303.27	1,162.14	738.66
Street light equipment, ornamental					
Miscellaneous construction expense	1,084.57	911.40	2,077.55	822.49	44.76
Steam or hydraulic plant					
Old plant			6,469.47	4,002.53	
Total plant	21,887.25	72,607.05	82,316.60	29,738.14	24,197.28
Bank and cash balance	680.63	3,068.42	4,586.91		286.59
Securities and investments	7,000.00	5,000.00	17,000.00	3,500.00	5,000.00
Accounts receivable	97.96	447.25	1,212.17	617.77	779.13
Inventories			260.54		
Sinking fund on local debentures					
Equity in H-E.P.C. systems	8,264.72	2,097.42	56,982.94	19,376.23	40,875.21
Other assets			1.56		
Total assets	37,930.56	83,220.14	162,360.72	53,232.14	71,138.21
Deficit					
Total	37,930.56	83,220.14	162,360.72	53,232.14	71,138.21
LIABILITIES					
Debenture balance	4,106.28		4,340.45	1,737.04	
Accounts payable		260.76	442.63		4.01
Bank overdraft				1.47	
Other liabilities		467.00	764.66	20.00	10.00
Total liabilities	4,106.28	727.76	5,547.74	1,758.51	14.01
RESERVES					
For equity in H-E.P.C. systems	8,264.72	2,097.42	56,982.94	19,376.23	40,875.21
For depreciation	6,827.04	36,614.48	23,667.52	8,644.85	4,412.17
Other reserves	206.06		6,978.99	517.29	1,000.00
Total reserves	15,297.82	38,711.90	87,629.45	28,538.37	46,287.38
SURPLUS					
Debentures paid	9,893.72		34,361.47	15,766.34	5,000.00
Local sinking fund					
Operating surplus	8,632.74	43,780.48	34,822.06	7,168.92	19,836.82
Total surplus	18,526.46	43,780.48	69,183.53	22,935.26	24,836.82
Total liabilities, reserves and surplus	37,930.56	83,220.14	162,360.72	53,232.14	71,138.21
Percentage of net debt to total assets	13.8	0.9	5.3	5.2	0.0

"A"—Continued

Hydro Municipalities as at December 31, 1944

Barrie	Bath	Beachville	Beamsville	Beaverton	Beeton	Belle River
10,339	293	P.V.	1,295	839	514	765
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
16,550.75		176.13		499.50		204.20
18,884.56					428.50	
73,382.21	6,624.06	15,591.07	17,320.56	24,802.09	11,947.76	20,989.41
66,582.89						
52,473.25	1,481.15	4,841.14	10,315.28	9,203.64	2,985.94	5,505.89
57,025.00	1,141.83	3,784.47	8,131.04	7,353.89	2,414.21	5,466.73
13,243.29	554.37	444.23	2,788.55	1,316.79	1,169.54	1,532.17
2,497.11	727.38	107.73		2,169.02	1,459.29	213.13
300,639.06	10,528.79	24,944.77	38,555.43	45,344.93	20,405.24	33,911.53
7,029.39	670.17	917.80	3,505.63	572.33	965.29	1,499.98
50,000.00		15,100.00	8,000.00	7,000.00	10,000.00	7,000.00
3,621.64	246.84	608.75	165.46	85.18	131.55	26.48
4,107.96						
203,300.43	2,787.52	53,168.50	7,831.52	25,941.88	19,619.16	13,818.17
23,686.73						49.94
592,385.21	14,233.32	94,739.82	58,058.04	78,944.32	51,121.24	56,306.10
592,385.21	14,233.32	94,739.82	58,058.04	78,944.32	51,121.24	56,306.10
3,761.94	3,975.55				3,460.04	
687.29		177.12	346.14	162.64	49.81	
5,608.26	100.00		708.70	572.04	95.00	225.00
10,057.49	4,075.55	177.12	1,054.84	734.68	3,604.85	225.00
203,300.43	2,787.52	53,168.50	7,831.52	25,941.88	19,619.16	13,818.17
136,752.50	2,843.67	10,412.02	8,587.25	20,139.94	12,034.64	12,628.92
35,004.40				400.00	1,590.68	1,100.00
375,097.33	5,631.19	63,580.52	16,418.77	46,481.82	33,244.48	27,547.09
61,603.74	3,524.45	5,536.66	37,500.00	15,000.00	11,539.96	8,500.00
145,626.65	1,002.13	25,445.52	3,084.43	16,727.82	2,731.95	20,034.01
207,230.39	4,526.58	30,982.18	40,584.43	31,727.82	14,271.91	28,534.01
592,385.21	14,233.32	94,739.82	58,058.04	78,944.32	51,121.24	56,306.10
2.6	35.6	0.4	2.1	1.4	11.4	0.5

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Belleville	Blenheim	Bloomfield	Blyth	Bolton
Population	14,969	1,765	581	632	591
	$ c.	$ c.	$ c.	$ c.	$ c.
ASSETS					
Lands and buildings	43,269.85	14,465.35	....	....	....
Substation equipment	89,255.84	909.64	410.00	....	....
Distribution system—overhead	137,629.63	33,941.60	11,225.83	11,906.26	10,523.76
Distribution system—underground	....	....	....	....	....
Line transformers	46,937.94	13,998.32	2,125.82	2,664.45	4,759.38
Meters	72,438.53	11,984.94	3,349.93	2,988.55	4,251.26
Street light equipment, regular	23,912.87	3,859.04	1,040.99	1,554.68	873.89
Street light equipment, ornamental	....	1,482.97	....	....	....
Miscellaneous construction expense	11,772.25	471.35	1,403.42	254.59	1,061.40
Steam or hydraulic plant	....	....	....	....	....
Old plant	....	....	....	....	1,554.60
Total plant	425,216.91	81,113.21	19,555.99	19,368.53	23,024.29
Bank and cash balance	4,190.96	1,774.72	1,805.10	....	881.94
Securities and investments	56,000.00	5,000.00	9,100.00	10,000.00	12,500.00
Accounts receivable	12,788.72	236.64	83.21	682.96	152.62
Inventories	10,444.91	625.24	....	....	....
Sinking fund on local debentures	....	....	....	....	....
Equity in H-E.P.C. systems	231,262.06	48,691.45	8,131.87	12,861.76	22,298.39
Other assets	....	....	....	....	....
Total assets	739,903.56	137,441.26	38,676.17	42,913.25	58,857.24
Deficit	....	....	....	....	....
Total	739,903.56	137,441.26	38,676.17	42,913.25	58,857.24
LIABILITIES					
Debenture balance	....	959.75	2,013.90	....	....
Accounts payable	16.65	1,003.17	52.07	1,058.08	69.52
Bank overdraft	....	....	....	386.81	....
Other liabilities	12,088.12	1,852.97	144.00	180.00	156.89
Total liabilities	12,104.77	3,815.89	2,209.97	1,624.89	226.41
RESERVES					
For equity in H-E.P.C. systems	231,262.06	48,691.45	8,131.87	12,861.76	22,298.39
For depreciation	80,338.98	28,220.40	8,469.16	7,668.31	9,623.68
Other reserves	17,851.30	5,014.06	....	....	....
Total reserves	329,452.34	81,925.91	16,601.03	20,530.07	31,922.07
SURPLUS					
Debentures paid	176,000.00	13,040.25	9,186.10	16,032.52	12,500.00
Local sinking fund	....	....	....	....	....
Operating surplus	222,346.45	38,659.21	10,679.07	4,725.77	14,208.76
Total surplus	398,346.45	51,699.46	19,865.17	20,758.29	26,708.76
Total liabilities, reserves and surplus	739,903.56	137,441.26	38,676.17	42,913.25	58,957.24
Percentage of net debt to total assets	2.4	4.7	7.2	5.4	0.6

"A"—Continued

Hydro Municipalities as at December 31, 1944

Bothwell 605	Bowmanville 3,800	Bradford 992	Brampton 6,146	Brantford 32,778	Brantford Twp. V.A.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	30,424.69	....	5,665.93	115,158.48	....
....	894.47	388.50	35,006.39	303,639.43	....
7,750.67	50,100.59	22,699.12	55,892.18	285,014.42	79,557.40
....	....	....	....	....	....
3,359.08	12,308.03	6,220.14	41,394.99	219,095.90	23,154.94
3,757.15	22,084.88	6,424.96	33,332.01	170,436.21	21,909.98
3,571.49	8,172.97	544.95	12,334.99	27,083.54	6,396.17
1,131.22	....	....	....	37,500.00	....
573.21	2,350.82	2,162.80	3,865.27	38,604.18	6,596.38
....	....	....	....	....	....
....	....	....	....	32,400.00	....
20,142.82	126,336.45	38,440.47	187,491.76	1,228,932.16	137,614.87
874.29	12,450.59	841.19	1,718.32	2,631.04	320.43
15,000.00	70,000.00	12,800.00	50,700.00	193,500.00	3,280.00
36.68	3,914.88	472.61	446.36	17,518.67	735.64
....	6,786.65	....	117.70	12,699.08	2,376.24
....	....	....	....	....	....
21,517.13	84,694.14	23,109.67	221,033.36	1,197,569.94	47,216.01
....	....	90.00	20.66	....	....
57,570.92	304,182.71	75,753.94	461,528.16	2,652,850.89	191,543.19
....	....	....	....	....	....
57,570.92	304,182.71	75,753.94	461,528.16	2,652,850.89	191,543.19
342.68	....	5,447.05	....	....	....
47.70	419.94	....	592.49	3,357.59	321.74
....	....	....	888.55	9,537.72	2,531.19
1,242.17	1,772.32	647.21	1,629.00	63,181.04	1,895.01
1,632.55	2,192.26	6,094.26	3,110.04	76,076.35	4,747.94
21,517.13	84,694.14	23,109.67	221,033.36	1,197,569.94	47,216.01
9,519.99	21,095.12	16,476.45	84,409.74	520,747.40	37,063.32
15.13	5,500.00	2,629.88	25,200.00	47,751.39	104.82
31,052.25	111,289.26	42,216.00	330,643.10	1,766,068.73	84,384.15
5,191.51	71,000.00	19,752.95	69,050.64	530,000.00	57,125.66
....	....	....	....	....	....
19,694.61	119,701.19	7,690.73	58,724.38	280,705.81	45,285.44
24,886.12	190,701.19	27,443.68	127,775.02	810,705.81	102,411.10
57,570.92	304,182.71	75,753.94	461,528.16	2,652,850.89	191,543.19
1.4	1.0	11.6	1.3	2.8	3.3

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Brechin	Bridgeport	Brigden	Brighton	Brockville
Population	P.V.	P.V.	P.V.	1,517	10,463
Assets	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	....	....	1,482.03	600.00	45,591.03
Substation equipment	....	....	....	....	39,212.30
Distribution system—overhead	2,135.59	10,398.61	8,443.57	17,745.91	101,211.42
Distribution system—underground	....	....	....	880.03	....
Line transformers	1,495.73	3,465.60	2,492.17	6,923.54	54,080.37
Meters	889.42	3,361.81	2,609.54	8,447.76	55,236.43
Street light equipment, regular	248.55	1,635.60	509.23	1,305.85	27,520.32
Street light equipment, ornamental	....	....	....	....	....
Miscellaneous construction expense	546.92	629.70	1,163.86	594.71	842.01
Steam or hydraulic plant	....	....	....	....	....
Old plant	....	....	....	....	....
Total plant	5,316.21	19,491.32	16,700.40	36,497.80	323,693.88
Bank and cash balance	1,510.96	1,697.63	782.65	629.02	16,243.68
Securities and investments	500.00	7,000.00	7,800.00	16,000.00	105,000.00
Accounts receivable	51.80	235.18	28.22	2,864.10	2,252.92
Inventories	....	....	....	5,112.84	5,789.65
Sinking fund on local debentures	....	....	....	....	....
Equity in H-E.P.C. systems	9,400.04	8,561.62	14,835.61	15,346.68	221,551.09
Other assets	....	....	....	51.78	433.94
Total assets	16,779.01	36,985.75	40,146.88	76,502.22	674,965.16
Deficit	....	....	....	....	....
Total	16,779.01	36,985.75	40,146.88	76,502.22	674,965.16
Liabilities					
Debenture balance	643.62	3,277.81	....	5,183.47	....
Accounts payable	44.41	14.56	12.16	75.55	1,221.14
Bank overdraft	....	....	....	....	....
Other liabilities	31.85	275.00	20.00	524.39	2,252.40
Total liabilities	719.88	3,567.37	32.16	5,783.41	3,473.54
Reserves					
For equity in H-E.P.C. systems	9,400.04	8,561.62	14,835.61	15,346.68	221,551.09
For depreciation	2,524.59	8,175.29	6,752.63	7,534.82	101,896.61
Other reserves	47.11	....	97.24	4,227.45	14,180.17
Total reserves	11,971.74	16,736.91	21,685.48	27,108.95	337,627.87
Surplus					
Debentures paid	2,567.30	9,090.22	8,000.00	19,816.53	226,657.54
Local sinking fund	....	....	....	....	....
Operating surplus	1,520.09	7,591.25	10,429.24	23,793.33	107,206.21
Total surplus	4,087.39	16,681.47	18,429.24	43,609.86	333,863.75
Total liabilities, reserves and surplus	16,779.01	36,985.75	40,146.88	76,502.22	674,965.16
Percentage of net debt to total assets	9.8	12.5	0.1	9.5	0.8

"A"—Continued

Hydro Municipalities as at December 31, 1944

Brussels 776	Burford P.V.	Burgessville P.V.	Caledonia 1,410	Campbellville P.V.	Cannington 731	Cardinal 1,633
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	202.00	....	656.01	....	....	....
....	....	....	....	....	....	....
15,381.99	9,664.30	3,845.65	20,179.78	3,022.07	11,986.66	14,211.70
....	....	....	....	....	....	....
3,495.74	4,322.83	1,678.74	7,728.79	1,040.07	6,108.36	4,132.27
4,759.78	4,682.32	1,343.57	8,728.41	850.90	5,117.11	3,881.55
1,587.79	437.14	261.02	2,082.68	335.61	988.37	491.85
....	....	....	....	....	....	....
1,537.56	703.16	457.22	828.90	6.82	518.78	566.73
....	....	....	....	....	....	....
2,827.50	....	....	....	....	3,609.37	3,474.80
29,590.36	20,011.75	7,586.20	40,204.57	5,255.47	28,328.65	26,758.90
2,143.91	2,525.47	602.88	557.84	91.82	2,232.63	854.10
14,000.00	9,300.00	3,800.00	9,700.00	4.300.00	5,500.00	5,000.00
203.95	51.29	27.70	188.05	137.73	188.20	233.39
....	....	....	1,415.91	....	277.93	....
....	....	....	....	....	....	....
16,845.80	17,805.57	6,735.31	29,475.73	3,487.42	19,523.43	8,031.77
.22	....	....	....	....	....	....
62,784.24	49,694.08	18,752.09	81,542.10	13,272.44	56,050.84	40,878.16
....	....	....	....	....	....	....
62,784.24	49,694.08	18,752.09	81,542.10	13,272.44	56,050.84	40,878.16
....	....	....	....	....	....	5,509.30
....	38.00	7.31	91.53	18.21	125.27	140.85
....	....	....	....	....	....	....
100.28	107.30	15.00	314.19	....	65.00	5.00
100.28	145.30	22.31	405.72	18.21	190.27	5,655.15
16,845.80	17,805.57	6,735.31	29,475.73	3,487.42	19,523.43	8,031.77
11,290.17	7,208.42	4,423.19	6,990.54	1,850.71	15,225.35	3,894.73
....	1,000.00	....	....	....	564.05	51.52
28,135.97	26,013.99	11,158.50	36,466.27	5,338.13	35,312.83	11,978.02
21,000.00	9,000.00	3,500.00	4,624.00	5,447.77	15,000.00	9,490.70
....	....	....	....	....	....	....
13,547.99	14,534.79	4,071.28	40,046.11	2,468.33	5,547.74	13,754.29
34,547.99	23,534.79	7,571.28	44,670.11	7,916.10	20,547.74	23,244.99
62,784.24	49,694.08	18,752.09	81,542.10	13,272.44	56,050.84	40,878.16
0.2	0.5	0.2	0.8	0.2	0.5	17.2

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Carleton Place	Cayuga	Chatham	Chatsworth	Chesley
Population	3,865	651	17,241	356	1,601
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	13,390.32		111,051.38	364.89	6,000.00
Substation equipment	2,471.63		137,326.67		2,305.58
Distribution system—overhead	47,109.96	19,488.43	145,574.36	5,318.42	22,409.90
Distribution system—underground			88,722.56		
Line transformers	14,177.32	6,327.67	107,806.94	2,309.52	9,350.66
Meters	20,084.34	4,213.30	82,598.96	2,038.18	7,778.95
Street light equipment, regular	6,691.85	1,357.57	19,656.87	564.82	2,506.98
Street light equipment, ornamental			35.426.10		
Miscellaneous construction expense	3,323.29	217.95	31,137.14	439.26	3,382.00
Steam or hydraulic plant					
Old plant	5,289.19		42,752.31		
Total plant	112,537.90	31,604.92	802,053.29	11,035.09	53,734.07
Bank and cash balance	2,213.22	214.81	3,268.62	783.46	756.30
Securities and investments	39,500.00	5.200.00	180,000.00	2,800.00	6,000.00
Accounts receivable	735.48	127.66	22,566.47	8.52	35.89
Inventories	1,933.66	371.75	9,588.43		462.63
Sinking fund on local debentures					
Equity in H-E.P.C. systems	100,239.67	12,793.82	514,133.06	5,863.07	46,302.78
Other assets		1.35			
Total assets	257,159.93	50,314.31	1,531,609.87	20,490.14	107,291.67
Deficit					
Total	257,159.93	50,314.31	1,531,609.87	20,490.14	107,291.67
LIABILITIES					
Debenture balance	10,069.46		72,880.10		
Accounts payable	3,187.68	389.31	16,632.06	38.31	11.26
Bank overdraft					
Other liabilities	1,750.40	250.00	43,945.04	159.36	
Total liabilities	15,007.54	639.31	133,457.20	197.67	11.26
RESERVES					
For equity in H-E.P.C. systems	100,239.67	12,793.82	514,133.06	5,863.07	46,302.78
For depreciation	27,442.33	9,822.64	218,581.26	4,651.70	19,905.39
Other reserves	895.23	113.11	82,937.32		3,500.00
Total reserves	128,577.23	22,729.57	815,651.64	10,514.77	69,708.17
SURPLUS					
Debentures paid	55,930.54	20,000.00	297,119.90	5,400.00	27,500.00
Local sinking fund					
Operating surplus	57,644.62	6,945.43	285,381.13	4,377.70	10,072.24
Total surplus	113,575.16	26,945.43	582,501.03	9,777.70	37,572.24
Total liabilities, reserves and surplus	257,159.93	50,314.31	1,531,609.87	20,490.14	107,291.67
Percentage of net debt to total assets	9.5	1.7	10.0	1.4	0.0

"A"—Continued

Hydro Municipalities as at December 31, 1944

Chesterville 1,071	Chippawa 1,294	Clifford 456	Clinton 2,037	Cobden 595	Cobourg 5,560	Colborne 916
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
335.00	1,434.46	...	10,227.74	...	31,397.70	...
...	...	...	11,473.46	...	1,668.35	...
10,641.61	16,153.30	8,337.89	26,655.57	4,820.48	84,425.91	11,284.81
...	...	...	...	...	...	...
4,298.04	9,521.89	1,810.86	11,299.25	1,708.15	27,591.86	1,397.11
5,246.46	6,331.08	2,648.24	11,878.89	1,641.82	32,554.62	3,403.29
593.64	3,141.60	1,014.93	5,705.10	444.46	14,051.44	1,479.27
...	...	...	...	...	...	...
698.55	571.00	37.44	4,288.04	45.86	2,912.94	2,509.08
...	...	...	...	...	...	...
...	...	...	...	2,853.85	...	...
21,813.30	37,153.33	13,849.36	81,528.05	11,514.62	194,602.82	20,073.56
691.85	2,679.51	242.52	2,267.98	814.83	10,992.67	1,857.93
14,000.00	8,500.00	5,000.00	23,500.00	3,500.00	35,000.00	5,000.00
235.46	114.40	49.17	766.36	43.91	3,418.87	762.81
659.40	116.38	...	3,177.47	...	3,431.46	1,398.66
...	...	...	...	...	...	...
32,747.11	22,030.59	9,512.36	60,140.85	2,339.35	65,101.90	6,022.71
1.61	.76	...	...	...	67.64	270.55
70,148.73	70,594.97	28,653.41	171,380.71	18,212.71	312,615.36	35,386.22
...	...	...	...	...	...	...
70,148.73	70,594.97	28,653.41	171,380.71	18,212.71	312,615.36	35,386.22
...	...	4,149.06	...	2,111.85	51,685.66	6,497.40
...	...	237.76	174.09	610.68	22.98	9.00
...	...	...	...	...	...	...
123.00	930.00	5.00	681.45	162.50	4,996.77	292.00
123.00	930.00	4,391.82	855.54	2,885.03	56,705.41	6,798.40
32,747.11	22,030.59	9,512.36	60,140.85	2,339.35	65,101.90	6,022.71
9,166.67	7,879.21	4,551.92	26,916.05	560.54	45,761.07	4,210.03
...	...	...	10,926.12	...	1,500.00	...
41,913.78	29,909.80	14,064.28	97,983.02	2,899.89	112,362.97	10,232.74
6,500.00	13,350.00	3,850.94	44,500.00	5,691.42	54,307.84	5,697.19
...	...	...	...	...	...	...
21,611.95	26,405.17	6,346.37	28,042.15	6,736.37	89,239.14	12,657.89
28,111.95	39,755.17	10,197.31	72,542.15	12,427.79	143,546.98	18,355.08
70,148.73	70,594.97	28,653.41	171,380.71	18,212.71	312,615.36	35,386.22
0.3	1.9	22.9	0.8	18.0	22.9	23.1

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Coldwater	Collingwood	Comber	Cookstown	Cottam
Population	549	6,324	P.V.	P.V.	P.V.
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	275.00	15,950.08	62.00	70.00	475.63
Substation equipment	....	24,954.35	....	392.95	....
Distribution system—overhead	9,981.72	60,346.05	8,018.82	10,004.12	10,931.07
Distribution system—underground	....	....	....	....	....
Line transformers	6,108.01	22,910.95	5,080.42	2,892.99	2,274.24
Meters	3,505.38	29,010.00	3,090.48	2,709.11	2,454.94
Street light equipment, regular	775.02	3,289.54	423.35	919.69	366.43
Street light equipment, ornamental	....	....	....	....	....
Miscellaneous construction expense	193.44	1,104.09	1,038.08	1,520.54	525.31
Steam or hydraulic plant	....	....	....	....	....
Old plant	....	....	....	....	....
Total plant	20,838.57	157,565.06	17,713.15	18,509.40	17,027.62
Bank and cash balance	1,366.01	6,848.74	194.56	500.32	....
Securities and investments	3,000.00	20,000.00	9,000.00	10,500.00	6,593.65
Accounts receivable	844.08	390.39	21.74	786.57	44.65
Inventories	....	....	....	....	....
Sinking fund on local debentures	....	....	....	....	....
Equity in H-E.P.C. systems	18,479.74	175,621.02	23,096.75	6,985.69	5,930.21
Other assets	....	....	....	....	....
Total assets	44,528.40	360,425.21	50,026.20	37,281.98	29,596.13
Deficit	....	....	....	....	....
Total	44,528.40	360,425.21	50,026.20	37,281.98	29,596.13
LIABILITIES					
Debenture balance	....	....	....	1,925.47	1,390.51
Accounts payable	632.06	250.69	23.22	34.03	185.65
Bank overdraft	....	....	....	....	63.92
Other liabilities	291.37	3,531.15	40.00	120.00	165.60
Total liabilities	923.43	3,781.84	63.22	2,079.50	1,805.68
RESERVES					
For equity in H-E.P.C. systems	18,479.74	175,621.02	23,096.75	6,985.69	5,930.21
For depreciation	12,727.12	79,800.78	8,830.15	9,961.15	6,068.48
Other reserves	80.00	149.77	....	....	37.95
Total reserves	31,286.86	255,571.57	31,926.90	16,946.84	12,036.64
SURPLUS					
Debentures paid	7,000.00	38,183.42	7,700.00	11,574.53	7,609.71
Local sinking fund	....	....	....	....	....
Operating surplus	5,318.11	62,888.38	10,336.08	6,681.11	8,144.10
Total surplus	12,318.11	101,071.80	18,036.08	18,255.64	15,753.81
Total liabilities, reserves and surplus	44,528.40	360,425.21	50,026.20	37,281.98	29,596.13
Percentage of net debt to total assets	3.5	2.0	0.2	6.9	7.6

"A"—Continued

Hydro Municipalities as at December 31, 1944

Courtright 313	Creemore 628	Dashwood P.V.	Delaware P.V.	Delhi 2,093	Deseronto 1,052	Dorchester P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	....	....	....	2,472.54	597.41	....
....	....	....	....	....	161.18	....
6,680.81	7,669.57	3,899.45	5,382.45	29,623.46	11,007.51	9,461.36
....	....	....	....	....	....	....
1,225.40	3,676.20	2,400.81	1,819.08	16,643.16	2,953.06	3,237.06
1,119.58	3,310.43	1,977.24	1,414.03	12,732.82	5,619.05	2,967.27
425.08	358.56	364.52	205.24	3,874.48	432.60	907.18
....	....	....	....	....	....	....
591.96	54.00	291.87	203.81	3,225.47	644.36	328.41
....	....	....	....	....	....	....
....	....	....	....	28,518.74	....	....
10,042.83	15,068.76	8,933.89	9,024.61	97,090.67	21,415.17	16,901.28
....	....	....	....	....	....	....
585.47	462.34	606.34	221.23	3,676.33	1,361.83	668.09
7,000.00	6,500.00	6,500.00	2,500.00	22,000.00	3,500.00	6,500.00
52.60	75.99	62.64	....	18.00	2,555.13	781.73
....	....	....	....	2,817.00	655.00	79.25
....	....	....	....	....	....	....
7,296.48	15,114.21	10,843.06	4,410.82	9,270.12	9,567.89	9,832.80
....	....	....	....	1.39	....	....
24,977.38	37,221.30	26,945.93	16,156.66	134,873.51	39,055.02	34,763.15
....	....	....	....	....	....	....
24,977.38	37,221.30	26,945.93	16,156.66	134,873.51	39,055.02	34,763.15
....	....	431.94	....	68,277.55	....	263.92
....	200.05	117.93	40.89	195.52	187.55	....
....	....	....	....	....	....	....
5.00	231.00	....	....	1,569.10	406.41	31.00
5.00	431.05	549.87	40.89	70,042.17	593.96	294.92
7,296.48	15,114.21	10,843.06	4,410.82	9.270.12	9,567.89	9,832.80
3,395.40	7,249.95	4,278.25	1,221.63	12,803.83	4,846.22	5,605.96
31.97	54.74	....	27.24	5,583.42	....	1,537.56
10,723.85	22,418.90	15,121.31	5,659.69	27,657.37	14,414.11	16,976.32
8,138.35	2,823.61	2,968.06	4,000.00	16,722.45	15,000.00	4,036.08
....	....	....	....	....	....	....
6,110.18	11,547.74	8,306.69	6,456.08	20,451.52	9,046.95	13,455.83
14,248.53	14,371.35	11,274.75	10,456.08	37,173.97	24,046.95	17,491.91
24,977.38	37,221.30	26,945.93	16,156.66	134,873.51	39,055.02	34,763.15
0.0	2.0	3.4	0.4	55.8	2.0	1.2

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Drayton	Dresden	Drumbo	Dublin	Dundalk
Population	523	1,519	P.V.	P.V.	705
Assets	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings		405.30			
Substation equipment		523.00			
Distribution system—overhead	10,151.31	21,475.18	4,737.26	5,924.54	8,769.11
Distribution system—underground					
Line transformers	4,425.18	9,885.89	1,801.50	1,354.25	4,345.50
Meters	3,709.15	8,459.51	2,156.10	1,247.37	3,545.81
Street light equipment, regular	772.21	1,729.55	284.27	539.86	1,203.31
Street light equipment, ornamental					
Miscellaneous construction expense	441.06	2,102.98	235.58	787.06	278.85
Steam or hydraulic plant					
Old plant					
Total plant	19,498.91	44,581.41	9,214.71	9,853.08	18,142.58
Bank and cash balance	1,113.30	1,293.85	3,061.12	1,426.37	1,746.67
Securities and investments	7,000.00	8,500.00	5,000.00	2,500.00	6,500.00
Accounts receivable	77.66	782.13	800.39	30.66	85.48
Inventories		1,674.92			
Sinking fund on local debentures					
Equity in H-E.P.C. systems	16,336.88	41,080.61	8,607.43	7,159.34	16,489.45
Other assets					
Total assets	44,026.75	97,912.92	26,683.65	20,969.45	42,964.18
Deficit					
Total	44,026.75	97,912.92	26,683.65	20,969.45	42,964.18
Liabilities					
Debenture balance	1,849.81				
Accounts payable	717.18	516.80			55.38
Bank overdraft					
Other liabilities		388.00		21.00	
Total liabilities	2,566.99	904.80		21.00	55.38
Reserves					
For equity in H-E.P.C. systems	16,336.88	41,080.61	8,607.43	7,159.34	16,489.45
For depreciation	11,095.96	6,385.15	6,598.06	6,512.15	9,085.51
Other reserves		4,011.46			1,300.00
Total reserves	27,432.84	51,477.22	15,205.49	13,671.49	26,874.96
Surplus					
Debentures paid	7,650.19	11,423.24	4,500.00	6,200.00	5,955.96
Local sinking fund					
Operating surplus	6,376.73	34,107.66	6,978.16	1,076.96	10,077.88
Total surplus	14,026.92	45,530.90	11,478.16	7,276.96	16,033.84
Total liabilities, reserves and surplus	44,026.75	97,912.92	26,683.65	20,969.45	42,964.18
Percentage of net debt to total assets	9.3	1.6	0.0	0.2	0.2

"A"—Continued

Hydro Municipalities as at December 31, 1944

Dundas	Dunnville	Durham	Dutton	East York	Elmira	Elmvale
5,257	4,137	1,937	776	Twp.	2,176	P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
19,401.77	3,495.43	210.28	75.11	27,444.58	7,488.28	106.25
24,198.53	39,710.85	546.02	....	116,298.71	....	2,273.07
54,939.98	41,849.07	23,832.88	10,170.67	390,185.75	37,940.69	10,035.76
....	....	....	....	....	540.21	....
29,572.10	24,276.50	10,090.64	4,348.03	113,846.08	24,421.33	4,144.38
27,960.76	22,005.96	8,188.52	3,584.56	184,709.56	15,802.59	4,668.52
11,535.93	9,756.04	1,545.06	754.38	34,207.69	2,303.27	447.17
1,154.52	....	....	....	....	....	....
4,341.78	7,174.83	1,185.32	288.17	20,786.79	834.90	537.75
....	....	....	....	....	....	....
....	10,717.62	....	....	....	2,168.08	....
173,105.37	158,986.30	45,598.72	19,220.92	887,479.16	91,499.35	22,212.90
7,246.58	35.00	1,537.58	12.51	7,571.08	3,936.66	5,754.45
24,000.00	52,000.00	10,000.00	10,000.00	7,000.00	31,500.00	6,700.00
392.07	1,313.85	464.52	24.08	36,869.82	77.94	34.05
327.69	1,618.99	46.15	....	9,137.00	....	....
....	....	....	....	....	....	....
181,937.64	81,603.19	39,170.95	25,262.73	376,661.31	97,807.72	18,788.31
503.39	....	3.06	....	63.57	31.50	....
387,512.74	295,557.33	96,820.98	54,520.24	1,324,781.94	224,853.17	53,489.71
....	....	....	....	....	....	....
387,512.74	295,557.33	96,820.98	54,520.24	1,324,781.94	224,853.17	53,489.71
....	10,884.70	....	....	48,566.03	3,277.81	....
269.66	136.69	12.05	....	55,487.35	128.29	77.29
....	3,438.57	....	....	....	....	....
9,744.90	2,096.20	18.00	217.36	13,900.29	843.84	0.05
10,014.56	16,556.16	30.05	217.36	117,953.67	4,249.94	77.34
181,937.64	81,603.19	39,170.95	25,262.73	376,661.31	97,807.72	18,788.31
84,994.74	52,742.95	19,398.60	11,641.41	165,416.80	36,799.82	12,130.97
183.97	16,500.00	....	33.23	3,380.96	9,000.00	8.87
267,116.35	150,846.14	58,569.55	36,937.37	545,459.07	143,607.54	30,928.15
53,000.00	64,615.30	25,800.00	8,407.49	308,501.75	33,890.69	7,000.00
....	....	....	....	....	....	....
57,381.83	63,539.73	12,421.38	8,958.02	352,867.45	43,105.00	15,484.22
110,381.83	128,155.03	38,221.38	17,365.51	661,369.20	76,995.69	22,484.22
387,512.74	295,557.33	96,820.98	54,520.24	1,324,781.94	224,853.17	53,489.71
4.9	7.7	0.0	0.7	12.4	3.3	0.2

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Elmwood	Elora	Embro	Erieau	Erie Beach
Population	P.V.	1,167	385	*234	*22
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings		1,524.54			
Substation equipment					
Distribution system—overhead	5,194.07	18,516.53	10,825.46	11,931.11	2,605.67
Distribution system—underground					
Line transformers	1,100.67	8,373.29	5,098.62	3,449.86	925.32
Meters	1,381.54	7,140.69	2,393.14	3,915.61	1,069.16
Street light equipment, regular	653.53	1,298.49	535.73	435.74	
Street light equipment, ornamental					
Miscellaneous construction expense	1,093.62	971.88	69.45	379.90	375.03
Steam or hydraulic plant					
Old plant					
Total plant	9,423.43	37,825.42	18,922.40	20,112.22	4,975.18
Bank and cash balance	1,075.58	821.01	1,487.51	2,100.97	461.10
Securities and investments	4,600.00	17,500.00	3,000.00		1,500.00
Accounts receivable	161.19	40.69	60.67	74.79	91.22
Inventories		224.91			
Sinking fund on local debentures					
Equity in H-E.P.C. systems	5,381.63	46,985.33	14,297.40	8,805.64	2,140.02
Other assets		1.69			
Total assets	20,641.83	103,399.05	37,767.98	31,093.62	9,167.52
Deficit					
Total	20,641.83	103,399.05	37,767.98	31,093.62	9,167.52
LIABILITIES					
Debenture balance					527.89
Accounts payable	628.85	169.15	69.68	564.84	36.09
Bank overdraft					
Other liabilities	10.00	316.25	45.00	30.00	
Total liabilities	638.85	485.40	114.68	594.84	563.98
RESERVES					
For equity in H-E.P.C. systems	5,381.63	46,985.33	14,297.40	8,805.64	2,140.02
For depreciation	4,202.90	21,496.80	7,868.94	6,374.44	1,027.41
Other reserves			9.58	27.36	
Total reserves	9,584.53	68,482.13	22,175.92	15,207.44	3,167.43
SURPLUS					
Debentures paid	7,200.00	13,000.00	7,500.00	6,883.13	2,772.11
Local sinking fund					
Operating surplus	3,218.45	21,431.52	7,977.38	8,408.21	2,664.00
Total surplus	10,418.45	34,431.52	15,477.38	15,291.34	5,436.11
Total liabilities, reserves and surplus	20,641.83	103,399.05	37,767.98	31,093.62	9,167.52
Percentage of net debt to total assets	4.2	0.9	0.5	2.67	8.0
*Summer Population				984	322

"A"—Continued

Hydro Municipalities as at December 31, 1944

Essex 1,959	Etobicoke Twp. V.A.	Exeter 1,627	Fergus 2,883	Finch 393	Flesherton 414	Fonthill 957
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	37,100.99	8,152.85	....	....	408.78	....
....	3,001.19	....	....	....	....	....
40,962.66	348,964.89	32,849.11	35,447.34	8,152.67	6,017.57	14,121.31
442.55	....	....	....	....	....	....
18,361.45	118,788.28	14,513.95	24,028.81	2,486.47	3,232.45	6,399.37
13,858.95	98,020.23	10,324.12	15,525.41	2,263.54	2,533.77	6,038.73
1,655.38	17,522.89	4,902.87	6,126.75	504.07	814.94	1,801.02
7,205.06	2,689.44	....	....	....	....	....
925.29	21,292.55	2,080.24	969.51	29.10	963.56	218.00
....	....	....	....	....	....	....
....	....	....	2,546.59	....	....	3,500.00
83,411.34	647,380.46	72,823.14	84,644.41	13,435.85	13,971.07	32,078.43
2,345.38	7,220.53	2,655.22	1,700.78	46.01	587.46	1,025.80
32,000.00	27,000.00	21,500.00	32,500.00	3,500.00	9,000.00	2,000.00
765.65	23,545.42	1,608.71	180.15	140.82	107.58	70.47
....	12,267.67	1,876.52	123.96	....	....	....
41,602.70	307,136.46	54,581.84	83,982.90	5,765.33	8,193.55	8,772.04
....	151.74	....	34.31	....	....	....
160,125.07	1,024,702.28	155,045.43	203,166.51	22,888.01	31,859.66	43,946.74
....	....	....	....	....	....	....
160,125.07	1,024,702.28	155,045.43	203,166.51	22,888.01	31,859.66	43,946.74
11,669.17	41,187.50	....	2,622.25	1,641.31	340.73	3,089.97
162.75	38,105.59	508.13	633.28	481.11	30.19	123.90
7,812.73	10,813.27	620.00	621.85	105.00	57.00	349.30
19,644.65	90,106.36	1,128.13	3,877.38	2,227.42	427.92	3,563.17
41,602.70	307,136.46	54,581.84	83,982.90	5,765.33	8,193.55	8,772.04
31,167.71	163,290.66	22,746.89	21,513.00	3,176.67	5,751.18	5,614.59
5,336.52	31,199.99	6,534.06	10,225.03	10.59	....	....
78,106.93	501,627.11	83,862.79	115,720.93	8,952.59	13,944.73	14,386.63
10,830.83	224,507.90	20,000.05	39,377.75	5,358.69	6,359.27	19,410.03
51,542.66	208,460.91	50,054.46	44,190.45	6,349.31	11,127.74	6,586.91
62,373.49	432,968.81	70,054.51	83,568.20	11,708.00	17,487.01	25,996.94
160,125.07	1,024,702.28	155,045.43	203,166.51	22,888.01	31,859.66	43,946.74
11.2	12.2	1.1	3.3	13.0	1.8	10.1

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Forest	Forest Hill	Galt	Georgetown
Population	1,565	12,954	15,025	2,498
ASSETS	$ c.	$ c.	$ c.	$ c.
Lands and buildings	6,528.31	39,501.92	202,573.39	5,041.05
Substation equipment		80,767.90	162,998.83	
Distribution system—overhead	24,067.95	199,363.44	294,037.36	38,369.23
Distribution system—underground		2,169.95	4,653.65	
Line transformers	13,457.13	114,519.03	157,183.70	28,916.76
Meters	12,355.37	68,120.26	87,780.90	17,978.56
Street light equipment, regular	2,663.94	9,478.34	72,371.89	4,598.54
Street light equipment, ornamental		16,795.63		
Miscellaneous construction expense	690.22	13,556.00	12,407.23	2,701.16
Steam or hydraulic plant				
Old plant				2,209.80
Total plant	59,762.92	544,272.47	994,006.95	99,815.10
Bank and cash balance	404.91	17,481.72	275.00	
Securities and investments	27,510.00	125,000.00	100,000.00	20,968.88
Accounts receivablei	2,142.35	2,075.56	44,309.89	979.78
Inventories	2,145.73	6,306.16	25,720.29	
Sinking fund on local debentures				
Equity in H-E.P.C. systems	44,049.51	246,885.05	711,539.49	135,432.09
Other assets	1.83		1,001.68	
Total assets	136,017.25	942,020.96	1,876,853.30	257,195.85
Deficit				
Total	136,017.25	942,020.96	1,876,853.30	257,195.85
LIABILITIES				
Debenture balance		239,797.93		
Accounts payable	40.85	4,654.93	26,059.18	188.97
Bank overdraft			7,020.51	537.28
Other liabilities	195.46	28,639.65	4,790.37	2,066.11
Total liabilities	236.31	273,092.51	37,870.06	2,792.36
RESERVES				
For equity in H-E.P.C. systems	44,049.51	246,885.05	711,539.49	135,432.09
For depreciation	26,987.50	145,145.90	422,096.73	29,168.04
Other reserves	6,087.59	750.00	40,871.34	
Total reserves	77,124.60	392,780.95	1,174,507.56	164,600.13
SURPLUS				
Debentures paid	23,357.13	122,983.67	518,001.95	20,000.00
Local sinking fund				
Operating surplus	35,299.21	153,163.83	146,473.73	69,803.36
Total surplus	58,656.34	276,147.50	664,475.68	89,803.36
Total liabilities, reserves and surplus	136,017.25	942,020.96	1,876,853.30	257,195.85
Percentage of net debt to total assets	0.3	37.8	3.3	2.3

"A"—Continued

Hydro Municipalities as at December 31, 1944

Glencoe 793	Goderich 4,922	Grand Valley 608	Granton P.V.	Gravenhurst 2,063	Grimsby 1,998	Guelph 23,195
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
3,457.66	13,569.89	36.50	...	10,072.27	...	14,720.38
...	34,532.50	...	...	10,936.03	...	167,917.81
23,663.74	73,887.68	12,359.60	4,489.45	39,905.31	39,189.10	256,933.93
...	...	...	...	1,941.77	...	28,847.47
8,807.85	26,430.16	3,819.98	1,515.11	15,944.39	23,625.00	121,279.76
4,870.11	24,509.13	3,864.29	1,738.78	14,079.02	18,368.79	118,746.19
2,106.42	9,159.76	1,051.12	180.78	4,472.25	2,532.00	45,090.67
...	...	...	...	...	1,925.00	...
1,225.34	5,522.33	262.04	113.08	2,106.15	1,658.88	12,966.80
...	...	...	...	...	...	...
...	14,622.15	...	...	...	...	...
44,131.12	202,233.60	21,393.53	8,037.20	99,457.19	87,298.77	766,503.01
222.02	5,334.56	2,500.17	789.12	2,309.75	5,755.15	2,966.74
13,600.00	65,000.00	10,071.71	5,200.00	16,000.00	...	65,000.00
67.40	779.40	33.22	8.61	585.90	75.34	5,517.95
416.48	1,127.96	...	...	1,649.48	118.95	20,045.80
...	...	...	...	...	...	...
26,196.02	158,422.10	15,283.16	10,123.33	40,114.21	3,920.78	851,873.04
...	.76	...	...	...	...	680.00
84,633.04	432,898.38	49,281.79	24,158.26	160,116.53	97,168.99	1,712,586.54
...	...	...	...	...	2,301.77	...
84,633.04	432,898.38	49,281.79	24,158.26	160,116.53	99,470.76	1,712,586.54
...	18,518.35	...	240.58	...	38,706.03	...
263.66	243.86	45.42	529.20	325.93	629.21	30,218.52
...	...	...	...	...	...	...
296.59	3,465.93	...	...	1,010.00	3,594.27	2,596.24
560.25	22,228.14	45.42	769.78	1,335.93	42,929.51	32,814.76
26,196.02	158,422.10	15,283.16	10,123.33	40,114.21	3,920.78	851.873,04
16,688.43	113,000.25	12,009.09	4,365.45	37,146.77	5,982.50	215,640.30
1,855.34	6,819.63	1,000.00	60.00	8,072.91	...	855.48
44,739.79	278,241.98	28,292.25	14,548.78	85,333.89	9,903.28	1,068,368.82
20,112.88	77,569.70	11,000.00	3,259.42	63,968.41	46,637.97	145,000.00
...	...	...	...	...	...	...
19,220.12	54,858.56	9,944.12	5,580.28	9,478.30	...	466,402.96
39,333.00	132,428.26	20,944.12	8,839.70	73,446.71	46,637.97	611,402.96
84,633.04	432,898.38	49,281.79	24,158.26	160,116.53	99,470.76	1,712,586.54
1.0	8.1	0.1	5.5	1.1	46.0	3.8

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Hagersville	Hamilton*	Hanover	Harriston
Population	1,524	174,222	3,174	1,287
Assets	$ c.	$ c.	$ c.	$ c.
Lands and buildings		975,577.73	3,894.32	395.25
Substation equipment	864.37	2,176,769.27	9,271.19	600.00
Distribution system—overhead	21,657.66	1,357,775.04	51,492.35	23,011.08
Distribution system—underground		846,142.13		
Line transformers	12,013.60	990,908.26	21,881.66	9,678.75
Meters	10,637.52	870,781.20	18,661.13	9,750.34
Street light equipment, regular	1,135.27	293,898.44	2,350.30	1,332.00
Street light equipment, ornamental				
Miscellaneous construction expense	1,005.76	61,664.98	5,692.15	788.22
Steam or hydraulic plant				
Old plant				1,001.43
Total plant	47,314.18	7,573,517.05	113,243.10	46,557.07
Bank and cash balance	6,513.53	270,090.00	6,985.33	414.95
Securities and investments	31,000.00	725,000.00	57,568.09	9,400.00
Accounts receivable	71.10	649,110.15	1,544.73	568.80
Inventories		202,739.28	102.76	540.88
Sinking fund on local debentures				
Equity in H-E.P.C. systems	97,038.58	7,169,387.46	104,113.79	43,502.48
Other assets	6.98	89,599.95		
Total assets	181,944.37	16,679,443.89	283,557.80	100,984.18
Deficit				
Total	181,944.37	16,679,443.89	283,557.80	100,984.18
Liabilities				
Debenture balance		534,000.00		2,134.03
Accounts payable		336,728.32	7.50	20.88
Bank overdraft				
Other liabilities	561.99	35,123.86	949.87	90.82
Total liabilities	561.99	905,852.18	957.37	2,245.73
Reserves				
For equity in H-E.P.C. systems	97,038.58	7,169,387.46	104,113.79	43,502.48
For depreciation	19,047.67	1,812,024.19	76,636.34	16,279.48
Other reserves	6,000.00	1,538,446.34	4,500.00	
Total reserves	122,086.25	10,519,857.99	185,250.13	59,781.96
Surplus				
Debentures paid	8,000.00	3,526,275.19	87,500.00	23,684.00
Local sinking fund				
Operating surplus	51,296.13	1,727,458.53	9,850.30	15,272.49
Total surplus	59,296.13	5,253,733.72	97,350.30	38,956.49
Total liabilities, reserves and surplus	181,944.37	16,679,443.89	283,557.80	100,984.18
Percentage of net debt to total assets	0.7	9.5	0.5	3.9

*Includes 1944 power adjustment and Equity in H-E.P.C. systems.

"A"—Continued

Hydro Municipalities as at December 31, 1944

Harrow 1,136	Hastings 719	Havelock 907	Hensall 659	Hespeler 3,023	Highgate 310	Holstein P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,318.16	...	...	...	4,857.00	...	...
...	...	572.90	...	38,946.53	...	...
20,793.95	17,316.09	20,064.33	12,645.26	33,066.91	8,348.47	2,276.12
...	...	...	...	...	...	...
11,246.32	3,530.56	2,961.87	6,811.35	31,810.81	2,324.00	1,176.04
8,603.69	3,838.79	6,058.09	4,187.26	15,177.16	2,001.63	813.31
970.46	1,283.74	1,883.33	612.83	8,160.72	453.91	170.44
...	...	...	...	...	...	...
194.45	633.38	4,283.37	563.89	2,658.34	491.60	188.31
...	...	...	...	...	...	...
...	1,733.13	2,420.45	400.00	...	...	...
44,127.03	28,335.69	38,244.34	25,220.59	134,677.47	13,619.61	4,624.22
1,595.20	296.14	818.03	719.92	1,907.06	163.46	626.59
7,200.00	7,000.00	20,000.00	13,000.00	25,000.00	5,000.00	4,500.00
193.17	109.69	20.09	8.98	384.74	17.50	3.37
129.68	...	...	...	840.56	...	...
...	...	...	...	...	...	...
33,996.47	5,033.36	15,120.67	21,415.54	153,699.03	12,154.24	3,364.35
...	...	...	...	183.33	...	...
87,241.55	40,774.88	74,203.13	60,365.03	316,692.19	30,954.81	13,118.53
...	...	...	...	...	...	...
87,241.55	40,774.88	74,203.13	60,365.03	316,692.19	30,954.81	13,118.53
...	9,986.48	...	1,270.10	10,182.17	...	...
678.86	0.05	0.39	700.83	2,700.16	17.90	500.00
...	...	...	...	...	...	...
290.71	311.91	...	60.00	770.00	75.00	...
969.57	10,298.44	0.39	2,030.93	13,652.33	92.90	500.00
33,996.47	5,033.36	15,120.67	21,415.54	153,699.03	12,154.24	3,364.35
12,928.53	7,048.94	15,649.94	12,247.77	30,425.37	7,034.32	2,345.88
136.30	...	...	...	154.46	...	...
47,061.30	12,082.30	30,770.61	33,663.31	184,278.86	19,188.56	5,710.23
12,000.00	11,013.52	32,900.00	10,729.90	67,388.34	5,000.00	2,762.05
...	...	...	...	...	...	...
27,210.68	7,380.62	10,532.13	13,940.89	51,372.66	6,673.35	4,146.25
39,210.68	18,394.14	43,432.13	24,670.79	118,761.00	11,673.35	6,908.30
87,241.55	40,774.88	74,203.13	60,365.03	316,692.19	30,954.81	13,118.53
1.8	28.5	0.0	5.2	8.4	0.5	5.1

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Humberstone	Huntsville	Ingersoll	Iroquois	Jarvis
Population	3,220	2,849	5,810	1,037	539
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	....	353.52	16,291.49	....	....
Substation equipment	....	647.30	51,488.29	100.00	....
Distribution system—overhead	24,889.33	23,277.67	59,180.97	8,863.22	10,080.96
Distribution system—underground	....	....	....	....	....
Line transformers	15,383.14	14,443.88	43,075.05	3,397.83	3,422.06
Meters	11,983.11	14,506.30	31,967.32	4,443.54	3,183.75
Street light equipment, regular	963.79	7,621.74	4,988.75	565.84	931.82
Street light equipment, ornamental	....	....	4,597.59	....	....
Miscellaneous construction expense	3,305.20	1,252.84	7,929.39	325.63	66.60
Steam or hydraulic plant	....	....	....	....	....
Old plant	....	5,156.20	....	575.00	....
Total plant	56,524.57	67,259.45	219,518.85	18,271.06	17,685.19
Bank and cash balance	88.51	1,688.92	6,905.25	662.18	1,198.17
Securities and investments	26,000.00	5,000.00	11,558.43	3,500.00	15,000.00
Accounts receivable	180.94	1,992.87	211.26	2,142.80	62.11
Inventories	....	4,770.30	1,230.06	206.73	....
Sinking fund on local debentures	....	....	....	....	....
Equity in H-E.P.C. systems	28,462.33	77,025.54	237,499.11	1,870.76	19,587.97
Other assets	....	....	173.58	18.52	....
Total assets	111,256.35	157,737.08	477,096.54	26,672.05	53,533.44
Deficit	....	....	....	....	....
Total	111,256.35	157,737.08	477,096.54	26,672.05	53,533.44
LIABILITIES					
Debenture balance	....	....	....	....	....
Accounts payable	374.20	373.76	14,854.69	1.92	29.02
Bank overdraft	....	....	....	....	....
Other liabilities	1,949.05	1,179.42	7,546.44	228.31	....
Total liabilities	2,323.25	1,553.18	22,401.13	230.23	29.02
RESERVES					
For equity in H-E.P.C. systems	28,462.33	77,025.54	237,499.11	1,870.76	19,587.97
For depreciation	10,089.33	19,476.83	33,092.83	4,135.03	7,413.84
Other reserves	6,000.00	383.13	4,384.52	2,000.00	....
Total reserves	44,551.66	96,885.50	274,976.46	8,005.79	27,001.81
SURPLUS					
Debentures paid	32,000.00	21,133.54	79,800.00	....	10,500.00
Local sinking fund	....	....	....	....	....
Operating surplus	32,381.44	38,164.86	99,918.95	18,436.03	16,002.61
Total surplus	64,381.44	59,298.40	179,718.95	18,436.03	26,502.61
Total liabilities, reserves and surplus	111,256.35	157,737.08	477,096.54	26,672.05	53,533.44
Percentage of net debt to total assets	2.8	1.9	7.6	0.9	0.08

"A"—Continued

Hydro Municipalities as at December 31, 1944

Kemptville 1,140	Kincardine 2,134	Kingston 30,569	Kingsville 2,290	Kirkfield P.V.	Kitchener 35,745
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
4,520.39	6,531.80	258,302.72	8,592.27	...	252,539.21
...	2,794.20	280,667.65	...	...	416,170.95
21,001.09	44,336.11	243,889.73	35,438.04	5,179.43	430,920.52
...	...	195,585.91	...	...	44,132.49
6,843.41	14,763.37	100,734.24	17,176.18	757.90	276,374.46
8,322.36	13,178.85	146,095.49	16,743.83	804.97	258,186.39
1,090.07	6,076.00	79,004.11	1,470.29	379.00	79,515.41
...	...	...	19,200.00	...	126,922.86
5,651.62	4,935.51	42,993.51	66.94	234.11	16,739.10
...	...	17,665.40	...	...	...
...	...	...	...	...	52,363.91
47,428.94	92,615.84	1,364,938.76	98,687.55	7,355.41	1,953,865.30
1,257.17	3,616.58	2,969.02	665.16	287.80	33,035.80
15,000.00	26,000.00	426,175.00	32,500.00	2,200.00	100,000.00
2,183.17	86.45	47,343.30	97.74	30.50	103,233.39
1,296.67	1,044.67	14,957.72	112.90	...	35,999.00
...	...	...	...	...	...
26,132.59	55,547.22	149,180.92	53,319.07	4,025.33	1,697,171.06
...	...	75.01	...	...	178.97
93,298.54	178,910.76	2,005,639.73	185,382.42	13,899.04	3,923,483.52
...	...	...	...	841.54	...
93,298.54	178,910.76	2,005,639.73	185,382.42	14,740.58	3,923,483.52
...	...	13,356.00	17,912.57	...	142,900.00
132.51	89.29	35,082.25	168.49	...	69,991.04
...	...	...	...	...	...
193.39	459.00	20,694.68	22,114.75	...	129,464.66
325.90	548.29	69,132.93	40,195.81	...	342,355.70
26,132.59	55,547.22	149,180.92	53,319.07	4,025.33	1,697,171.06
16,112.92	40,743.28	405,819.61	36,015.48	4,515.25	538,471.24
...	7,562.37	296,018.73	3,888.66	200.00	7,166.74
42,245.51	103,852.87	851,019.26	93,223.21	8,740.58	2,242,809.04
25,000.00	64,200.00	298,544.00	15,587.43	6,000.00	594,250.00
...	...	...	...	...	...
25,727.13	10,309.60	786,943.54	36,375.97	...	744,068.78
50,727.13	74,509.60	1,085,487.54	51,963.40	6,000.00	1,338,318.78
93,298.54	178,910.76	2,005,639.73	185,382.42	14,740.58	3,923,483.52
0.5	0.4	3.7	18.6	0.0	10.3

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Lakefield	Lambeth	Lanark	Lancaster	La Salle
Population	1,314	P.V.	692	573	1,020
	$ c.	$ c.	$ c.	$ c.	$ c.
Assets					
Lands and buildings	3,137.97				1,210.68
Substation equipment					
Distribution system—overhead	25,062.16	9,436.32	6,994.64	8,789.65	22,850.12
Distribution system—underground					
Line transformers	6,992.86	2,965.87	2,042.71	1,922.25	6,775.22
Meters	7,943.63	2,880.35	2,534.98	1,983.22	5,488.34
Street light equipment, regular	1,896.05	1,053.80	747.54	650.65	1,054.22
Street light equipment, ornamental					
Miscellaneous construction expense	3,722.16	315.71		1,068.55	1,609.47
Steam or hydraulic plant					
Old plant	3,445.25				
Total plant	52,200.08	16,652.05	12,319.87	14,414.32	38,988.05
Bank and cash balance	1,979.44		3,218.38	746.28	1,532.51
Securities and investments	17,000.00	4,500.00	5,500.00	1,500.00	5,000.00
Accounts receivable	168.06	210.14		46.64	373.13
Inventories					13.10
Sinking fund on local debentures					
Equity in H-E.P.C. systems	16,865.41	12,491.91	7,799.81	7,548.11	18,388.02
Other assets					
Total assets	88,212.99	33,854.10	28,838.06	24,255.35	64,294.81
Deficit					
Total	88,212.99	33,854.10	28,838.06	24,255.35	64,294.81
Liabilities					
Debenture balance	12,418.94				
Accounts payable		55.99	39.50	39.88	103.38
Bank overdraft		373.42			
Other liabilities	649.53	200.00	135.00	163.61	1,052.40
Total liabilities	13,068.47	629.41	174.50	203.49	1,155.78
Reserves					
For equity in H-E.P.C. systems	16,865.41	12,491.91	7,799.81	7,548.11	18,388.02
For depreciation	18,061.19	7,181.37	4,590.73	3,373.68	15,585.94
Other reserves		1,218.59			207.00
Total reserves	34,926.60	20,891.87	12,390.54	10,921.79	34,180.96
Surplus					
Debentures paid	21,081.06	4,000.00	7,316.57	9,970.42	15,500.00
Local sinking fund					
Operating surplus	19,136.86	8,332.82	8,956.45	3,159.65	13,458.07
Total surplus	40,217.92	12,332.82	16,273.02	13,130.07	28,958.07
Total liabilities, reserves and surplus	88,212.99	33,854.10	28,838.06	24,255.35	64,294.81
Percentage of net debt to total assets	18.3	2.9	0.8	1.2	2.5

"A"—Continued

Hydro Municipalities as at December 31, 1944

Leamington 5,619	Lindsay 7,783	Listowel 2,993	London 81,158	London Twp. V.A.	Long Branch 5,320	Lucan 607
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
18,580.07	10,777.68	1,459.49	456,073.40	....	....	375.45
7,101.97	3,176.56	....	1,019,822.85	....	....	....
62,260.63	104,934.67	49,960.18	832,820.16	24,026.02	62,132.56	11,799.78
17,209.04	....	5,522.87	410,292.71	....	....	....
28,351.87	30,803.13	25,013.43	436,092.54	9,236.05	18,776.16	4,626.28
31,359.12	36,831.58	18,957.91	417,489.68	6,789.75	23,862.56	4,293.30
1,574.66	10,784.73	3,181.88	73,236.72	1,842.71	5,808.89	4,549.30
14,478.49	....	1,539.79	92,286.12	....	....	....
1,571.11	1,959.96	1,835.24	150,236.44	1,860.49	1,475.49	515.85
....	....	....	....	....	....	....
....	....	4,745.30	....	1,733.80	....	2,860.45
182,486.96	199,268.31	112,216.09	3,888,350.62	45,488.82	112,055.66	29,020.41
3,556.98	16,010.81	448.40	3,267.51	5 ,183.59	614.83	1,659.84
59,500.00	69,317.22	23,000.00	1,000,000.00	....	18,000.00	9,500.00
493.65	400.23	254.77	170,086.75	332.62	27,794.79	2.07
3,219.97	184.42	154.79	67,394.43	....	....	....
....	....	....	185,563.50	....	....	....
116,613.63	130,904.28	101,869.31	3,125,317.23	28,047.48	38,591.71	23,002.21
84.66	....	24.93	3,080.65	....	....	....
365,955.85	416,085.27	237,968.29	8,443,060.69	79,052.51	197,056.99	63,184.53
....	....	....	....	....	....	....
365,955.85	416,085.27	237,968.29	8,443,060.69	79,052.51	197,056.99	63,184.53
....	36,989.75	....	79,546.21	1,201.76	2,814.91	464.58
489.29	....	27.40	95,029.01	1,414.39	3,923.62	0.04
....	....	2,907.65	....	....	....	....
17,828.84	3,188.47	1,988.19	99,983.19	655.24	2,614.83	259.24
18,318.13	40,178.22	4,923.24	274,558.41	3,271.39	9,353.36	723.86
116,613.63	130,904.28	101,869.31	3,125,317.23	28,047.48	38,591.71	23,002.21
53,340.98	59,980.75	57,872.99	1,731,556.25	13,888.42	29,597.20	10,795.38
17,630.44	....	2,500.00	390,045.95	3.82	16,258.01	....
187,585.05	190,885.03	162,242.30	5,246,919.43	41,939.72	84,446.92	33,797.59
48,000.00	93,010.25	43,189.89	1,502,353.79	17,798.24	37,489.69	10,749.04
....	....	....	185,563.50	....	....	....
112,052.67	92,011.77	27,612.86	1,233,665.56	16,043.16	65,767.02	17,914.04
160,052.67	185,022.02	70,802.75	2,921,582.85	33,841.40	103,256.71	28,663.08
365,955.85	416,085.27	237,968.29	8,443.060,69	79,052.51	197,056.99	63,184.53
1.6	14.0	2.5	0.0	6.4	5.9	1.8

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Lucknow	Lynden	Madoc	Markdale	Markham
Population	907	P.V.	1,106	771	1,162
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings		241.18	100.00		
Substation equipment				780.80	
Distribution system—overhead	21,527.56	4,869.69	11,995.12	11,471.81	20,000.84
Distribution system—underground					
Line transformers	10,558.06	3,136.23	3,761.56	5,942.80	10,303.45
Meters	6,046.73	2,350.88	5,495.50	4,933.93	8,558.50
Street light equipment, regular	1,509.55	365.21	1,577.14	1,390.15	833.91
Street light equipment, ornamental					
Miscellaneous construction expense	2,211.92	213.57	27.37	601.13	1,279.72
Steam or hydraulic plant					
Old plant				2,080.65	
Total plant	41,853.82	11,176.76	22,956.69	27,201.27	40,976.42
Bank and cash balance	4,375.39	657.80	2,775.03	661.09	592.74
Securities and investments	4,500.00	4,000.00	10,000.00	11,155.13	16,000.00
Accounts receivable	400.49	70.93	325.81	57.81	135.07
Inventories					
Sinking fund on local debentures					
Equity in H-E.P.C. systems	25,910.58	16,201.40	10,445.78	13,265.06	25,287.78
Other assets					
Total assets	77,040.28	32,106.89	46,503.31	52,340.36	82,992.01
Deficit					
Total	77,040.28	32,106.89	46,503.31	52,340.36	82,992.01
LIABILITIES					
Debenture balance		293.49		616.83	
Accounts payable	1,579.93		2.81	132.11	
Bank overdraft					
Other liabilities	10.00	18.00	467.00	127.00	320.00
Total liabilities	1,589.93	311.49	469.81	875.94	320.00
RESERVES					
For equity in H-E.P.C. systems	25,910.58	16,201.40	10,445.78	13,265.06	25,287.78
For depreciation	6,079.43	4,686.97	2,904.40	10,895.27	10,188.40
Other reserves	6,750.00			1,000.00	3,032.39
Total reserves	38,840.01	20,888.37	13,350.18	25,160.33	38,508.57
SURPLUS					
Debentures paid	19,713.16	4,201.51	14,000.00	8,383.17	11,373.63
Local sinking fund					
Operating surplus	16,897.18	6,705.52	18,683.32	17,920.92	32,789.81
Total surplus	36,610.34	10,907.03	32,683.32	26,304.09	44,163.44
Total liabilities, reserves and surplus	77,040.28	32,106.89	46,503.31	52,340.36	82,992.01
Percentage of net debt to total assets	3.1	2.0	1.3	2.2	0.6

"A"—Continued

Hydro Municipalities as at December 31, 1944

Marmora 933	Martintown P.V.	Maxville 802	Meaford 2,676	Merlin P.V.	Merritton 3,189	Midland 6,579
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	126.15	....	1,144.18	....	6,764.41	19,983.57
....	....	407.79	3,849.47	....	96,695.94	85,315.20
14,111.54	2,840.45	12,008.56	33,785.72	9,515.95	43,117.86	100,216.50
....	....	....	....	....	....	....
3,808.11	759.39	2,391.79	9,715.69	5,015.61	14,490.90	30,980.86
4,042.21	1,124.15	3.239.63	10,777.58	2,756.95	18,357.47	43,345.87
1,193.23	354.94	1,950.24	3,647.93	570.46	5,045.02	19,322.71
....	....	....	....	....	....	....
2,324.80	690.21	2,420.28	2,187.47	472.06	1,631.90	1,354.61
....	....	....	....	....	....	....
573.62	....	....	....	....	....	....
26,053.51	5.895.29	22,418.29	65,108.04	18,331.03	186,103.50	300,519.32
1,837.52	879.93	147.65	3,761.87	458.21	8,462.36	5,028.56
7,000.00	3,000.00	8,500.00	18,000.00	14,700.00	42,000.00	47,500.00
205.95	174.92	201.66	114.87	5.14	257.97	3,292.07
150.00	....	....	29.78	30.00	1,103.34	4,424.09
....	....	....	....	....	....	....
7,378.78	2,640.42	11,935.08	39,920.88	14,465.14	235,562.40	279,611.29
....	....	1.77	11.14	....	111.67	587.36
42,625.76	12,590.56	43,204.45	126,946.58	47,989.52	473,601.24	640,962.69
....	....	....	....	....	....	....
42,625.76	12,590.56	43,204.45	126,946.58	47,989.52	473,601.24	640,962.69
....	....	....	....	....	....	....
....	....	286.60	135.04	681.15	124.76	834.89
....	....	....	....	....	....	....
240.00	5.00	157.00	1,128.26	95.00	348.20	1,485.92
240.00	5.00	443.60	1,263.30	776.15	472.96	2,320.81
7,378.78	2,640.42	11,935.08	39,920.88	14,465.14	235,562.40	279,611.29
7,105.33	2,667.03	7,670.81	21,005.16	5,990.64	39,648.68	225,900.09
....	81.02	361.56	46.65	23.40	27,000.00	1,329.51
14,484.11	5,388.47	19,967.45	60,972.69	20,479.18	302,211.08	506,840.89
17,666.11	6,000.00	16,000.00	49,360.20	13,122.36	32,186.21	111,944.99
....	....	....	....	....	....	....
10,235.54	1,197.09	6,793.40	15,350.39	13,611.83	138,730.99	19.856.00
27,901.65	7,197.09	22.793.40	64,710.59	26,734.19	170,917.20	131,800.99
42,625.76	12,590.56	43,204.45	126,946.58	47,989.52	473,601.24	640,962.69
0.7	0.1	1.4	1.5	2.3	0.2	0.6

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Mildmay	Millbrook	Milton	Milverton	Mimico
Population	737	734	1,953	982	8,075
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings			13,864.88	761.88	20,455.40
Substation equipment			16,418.16		43,269.83
Distribution system—overhead	6,338.71	6,908.39	24,106.41	12,936.25	85,521.26
Distribution system—underground					
Line transformers	2,142.31	1,667.48	15,929.69	11,583.29	44,838.25
Meters	3,327.03	2,050.23	16,442.73	5,790.05	37,247.61
Street light equipment, regular	577.24	595.65	5,428.28	848.75	10,167.55
Street light equipment, ornamental					
Miscellaneous construction expense	894.34	79.92	3,279.55	599.27	6,333.27
Steam or hydraulic plant					
Old plant	849.00				
Total plant	14,128.63	11,301.67	95,469.70	32,519.49	247,833.17
Bank and cash balance	731.95	1,740.04	1,070.76	5.37	6,671.20
Securities and investments	9,000.00	1,000.00	33,000.00	6,500.00	34,000.00
Accounts receivable		181.77	749.55	534.78	2,107.18
Inventories			3,690.03		
Sinking fund on local debentures					
Equity in H-E.P.C. systems	4,824.30	1,262.72	126,939.71	52,454.37	180,963.90
Other assets			24.57	9.10	273.34
Total assets	28,684.88	15,486.20	260,944.32	92,023.11	471,848.79
Deficit					
Total	28,684.88	15,486.20	260,944.32	92,023.11	471,848.79
LIABILITIES					
Debenture balance	6,233.94				
Accounts payable	31.37	249.69	88.08	79.16	15.87
Bank overdraft				972.40	
Other liabilities	20.00	234.14	700.28		5,965.00
Total liabilities	6,285.31	483.83	788.36	1,051.56	5,980.87
RESERVES					
For equity in H-E.P.C. systems	4,824.30	1,262.72	126,939.71	52,454.37	180,963.90
For depreciation	3,333.00	1,098.67	31,762.45	9,742.20	92,289.56
Other reserves			10,197.89		17,756.22
Total reserves	8,157.30	2,361.39	168,900.05	62,196.57	291,009.68
SURPLUS					
Debentures paid	6,069.56	9,000.00	33,046.41	9,500.00	127,000.00
Local sinking fund					
Operating surplus	8,172.71	3,640.98	58,209.50	19,274.98	47,858.24
Total surplus	14,242.27	12,640.98	91,255.91	28,774.98	174,858.24
Total liabilities, reserves and surplus	28,684.88	15,486.20	260,944.32	92,023.11	471,848.79
Percentage of net debt to total assets	26.3	3.4	0.6	2.7	2.1

"A"—Continued

Hydro Municipalities as at December 31, 1944

Mitchell 1,588	Moorefield P.V.	Morrisburg 1,528	Mount Brydges P.V.	Mount Forest 1,787	Napanee 3,269	Neustadt 433
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
19,125.54		5,000.00		3,726.00	16,354.36	
16,526.28		4,457.21		686.75	2,358.27	
33,295.12	3,228.28	11,731.63	7,786.87	23,224.98	48,135.90	10,569.52
15,324.27	873.25	5,663.55	1,845.43	8,339.56	12,015.88	4,035.81
14,024.63	1,478.32	7,587.75	2,820.66	9,057.41	19,394.60	2,599.45
7,303.08	295.88	795.00	1,385.36	2,397.89	4,719.85	496.41
2,584.46	352.15	277.08	105.90	1,850.49	3,715.26	1,495.88
		27,733.82		3,810.95		
108,183.38	6,227.88	63,246.04	13,944.22	53,094.03	106,694.12	19,197.07
2,970.41	1,362.87	717.32	1,028.96	1,511.94	521.30	1,717.04
20,750.00	3,500.00	8,000.00	14,000.00	9,000.00	9,050.00	13,000.00
3,666.22	30.62	139.86	632.63	212.20	7,207.50	41.69
4,846.91				870.16	7,890.15	
56,896.00	7,741.29	3,051.04	9,726.28	42,344.53	54,796.88	7,819.97
2.93		270.00			2.33	
197,315.85	18,862.66	75,424.26	39,332.09	107,032.86	186,162.28	41,775.77
197,315.85	18,862.66	75,424.26	39,332.09	107,032.86	186,162.28	41,775.77
		8,056.86		1,792.60		
129.57	33.89	40.86	681.08			38.94
328.00	6.00	1,383.40	149.09	385.00	1,077.50	148.85
457.57	39.89	9,481.12	830.17	2,177.60	1,077.50	187.79
56,896.00	7,741.29	3,051.04	9,726.28	42,344.53	54,796.88	7,819.97
50,145.78	3,766.73	2,581.52	5,976.00	27,671.33	19,741.34	11,799.72
1,262.80		31,296.54	97.38	1,500.00	2,500.00	
108,304.58	11,508.02	36,929.10	15,799.66	71,515.86	77,038.22	19,619.69
22,295.22	4,500.00	26,516.42	4,220.00	29,166.00	70,000.00	17,000.00
66,258.48	2,814.75	2,497.62	18,482.26	4,173.40	38,046.56	4,968.29
88,553.70	7,314.75	29,014.04	22,702.26	33,339.40	108,046.56	21,968.29
197,315.85	18,862.66	75,424.26	39,332.09	107,032.86	186,162.28	41,775.77
0.3	0.3	13.1	2.8	3.4	0.8	0.6

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Newbury	Newcastle	New Hamburg	New Toronto	Niagara Falls
Population	241	767	1,395	8,360	20,118
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings		107.37	2,517.19	45,514.80	133,102.32
Substation equipment			1,217.05		283,798.10
Distribution system—overhead	6,945.58	14,925.39	24,874.06	101,121.70	210,261.45
Distribution system—underground				17,198.72	
Line transformers	1,571.26	4,095.74	11,110.41	49,131.92	193,336.55
Meters	1,434.31	3,972.96	10,791.57	42,302.05	127,120.53
Street light equipment, regular	881.47	876.40	2,274.20	14,808.09	118,340.65
Street light equipment, ornamental					
Miscellaneous construction expense	530.15	490.00	271.95	6,661.67	24,267.58
Steam or hydraulic plant					
Old plant			5,242.56		
Total plant	11,362.77	24,467.86	58,298.99	276,738.95	1,090,227.18
Bank and cash balance	484.59	419.26	1,808.73	20,513.28	32,872.62
Securities and investments	6,500.00	9,000.00	17,100.00	94,000.00	205,000.00
Accounts receivable	41.94	176.96	189.80	1,169.55	612.33
Inventories			676.76	3,615.27	10,133.94
Sinking fund on local debentures					
Equity in H-E.P.C. systems	5,528.79	3,204.56	61,671.45	601,439.40	711,335.73
Other assets			1.01	224.20	58.62
Total assets	23,918.09	37,268.64	139,746.74	997,700.65	2,050,240.42
Deficit					
Total	23,918.09	37,268.64	139,746.74	997,700.65	2,050,240.42
LIABILITIES					
Debenture balance					45,951.17
Accounts payable	2.76			507.71	1,327.84
Bank overdraft					
Other liabilities	25.00		228.50	6,547.04	18,742.06
Total liabilities	27.76		228.50	7,054.75	66,021.07
RESERVES					
For equity in H-E.P.C. systems	5,528.79	3,204.56	61,671.45	601,439.40	711,335.73
For depreciation	5,866.16	11,337.87	21,383.61	89,934.22	361,346.20
Other reserves			4,633.83	32,443.30	15,325.00
Total reserves	11,394.95	14,542.43	87,688.89	723,816.92	1,088,006.93
SURPLUS					
Debentures paid	9,754.39	14,000.00	17,729.08	8,000.00	644,291.83
Local sinking fund					
Operating surplus	2,740.99	8,726.21	34,100.27	258,828.98	251,920.59
Total surplus	12,495.38	22,726.21	51,829.35	266,828.98	896,212.42
Total liabilities, reserves and surplus	23,918.09	37,268.64	139,746.74	997,700.65	2,050,240.42
Percentage of net debt to total assets	0.2	0.0	0.3	1.7	4.9

"A"—Continued

Hydro Municipalities as at December 31, 1944

Niagara-on-the-Lake 1,884	North York Twp. V. A.	Norwich 1,184	Norwood 694	Oil Springs 445	Omemee 464	Orangeville 2,386
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,320.00	33,634.77	4,660.42	....	6,299.16	....	2,585.07
23,903.79	....	....	457.53	2,461.78	360.32	1,169.00
39,785.94	498,251.10	11,926.99	24,103.44	15,037.41	14,018.53	37,419.29
....	....	....	....	....	....	....
23,366.68	156,536.90	7,283.58	4,837.62	6,591.94	7,324.64	11,692.62
14,245.37	113,154.81	8,381.47	5,546.76	4,287.50	3,784.45	15,067.91
4,560.37	156.00	4,685.64	1,886.92	308.24	805.48	7,532.55
....	21,090.84	....	....	....	....	....
3,537.76	27,116.18	533.80	3,615.22	1,475.43	1,405.00	6,071.48
....	....	....	....	....	....	....
....	....	....	2,447.51	....	....	....
111,719.91	849,940.60	37,471.90	42,895.00	36,461.46	27,698.42	81,537.92
....	....	....	....	....	....	....
669.21	22,517.68	3,948.49	2,801.02	857.67	1,877.10	2,275.81
....	130,000.00	13,000.00	19,500.00	7,000.00	6,000.00	18,000.00
2,028.74	8,997.37	872.88	207.64	92.83	....	303.92
7,136.11	17,891.30	1,679.88	....	148.63	....	412.03
....	....	....	....	....	....	....
41,077.93	233,890.70	45,671.00	7,697.59	30,396.01	1,901.60	57,706.56
0.24	....	48.15	....	....	....	....
162,632.14	1,263,237.65	102,692.30	73,101.25	74,956.60	37,477.12	160,236.24
....	....	....	....	....	....	....
162,632.14	1,263,237.65	102,692.30	73,101.25	74,956.60	37,477.12	160,236.24
19,146.61	135,939.26	....	11,834.48	....	....	....
3,837.82	3,376.84	139.68	....	195.52	23.85	141.95
....	....	....	....	....	....	....
504.56	32,798.12	337.39	505.22	27.24	178.32	173.00
23,488.99	172,114.22	477.07	12,339.70	222.76	202.17	314.95
41,077.93	233,890.70	45,671.00	7,697.59	30,396.01	1,901.60	57,706.56
20,854.18	200,315.16	12,011.55	19,555.84	13,233.71	13,580.26	37,234.12
749.25	1,724.55	543.91	....	1,285.23	....	....
62,681.36	435,930.41	58,226.46	27,253.43	44,914.95	15,481.86	94,940.68
29,354.81	392,082.61	13,756.00	25,265.52	16,721.31	12,000.00	35,900.00
....	....	....	....	....	....	....
47,106.98	263,110.41	30,232.77	8,242.60	13,097.58	9,793.09	29,080.61
76,461.79	655,193.02	43,988.77	33,508.12	29,818.89	21,793.09	64,980.61
162,632.14	1,263,237.65	102,692.30	73,101.25	74,956.60	37,477.12	160,236.24
19.3	15.0	0.8	18.8	0.5	0.5	0.3

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Orono	Oshawa	Ottawa	Otterville
Population	P.V.	26,843	158,581	P.V.
ASSETS	$ c.	$ c.	$ c.	$ c.
Lands and buildings		64,755.82	489,535.57	
Substation equipment		9,111.95	1,011,366.10	
Distribution system—overhead	5,541.60	297,801.76	924,409.33	8,826.38
Distribution system—underground			252,734.27	
Line transformers	1,462.79	80,032.90	413,254.88	4,897.88
Meters	1,985.38	135,698.18	323,326.62	3,175.97
Street light equipment, regular	602.99	19,105.43	124,662.85	1,684.17
Street light equipment, ornamental				
Miscellaneous construction expense		27,756.93	38,511.08	517.43
Steam or hydraulic plant				
Old plant		6,431.65		
Total plant	9,592.76	640,694.62	3,577,800.70	19,101.83
Bank and cash balance	1,398.33	8,316.76	388,335.13	293.03
Securities and investments	3,000.00	175,000.00	890,000.00	6,500.00
Accounts receivable	70.83	74,978.17	93,360.46	826.43
Inventories		22,291.68	41,340.12	
Sinking fund on local debentures			263,251.67	
Equity in H-E.P.C. systems	1,412.39	705,119.38	274,114.85	11,230.23
Other assets				
Total assets	15,474.31	1,626,400.61	5,528,202.93	37,951.52
Deficit				
Total	15,474.31	1,626,400.61	5,528,202.93	37,951.52
LIABILITIES				
Debenture balance		36,000.00	172,038.63	
Accounts payable	169.56	52,734.15	64,899.93	33.37
Bank overdraft				
Other liabilities		26,580.50		98.88
Total liabilities	169.56	115,314.65	236,938.56	132.25
RESERVES				
For equity in H-E.P.C. systems	1,412.39	705,119.38	274,114.85	11,230.23
For depreciation	915.00	126,353.99	1,795,937.88	8,172.84
Other reserves	1,000.00	75,886.39	550,948.12	
Total reserves	3,327.39	907,359.76	2,621,000.85	19,403.07
SURPLUS				
Debentures paid	8,000.00	274,000.00	807,961.37	4,500.00
Local sinking fund			263,251.67	
Operating surplus	3,977.36	329,726.20	1,599,050.48	13,916.20
Total surplus	11,977.36	603,726.20	2,670,263.52	18,416.20
Total liabilities, reserves and surplus	15,474.31	1,626,400.61	5,528,202.93	37,951.52
Percentage of net debt to total assets	1.2	12.5	1.2	0.5

"A"—Continued

Hydro Municipalities as at December 31, 1944

Owen Sound 13,591	Paisley 615	Palmerston 1,342	Paris 4,608	Parkhill 882	Penetanguishene 3,843	Perth 4,154
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
28,270.25	...	...	12,570.15	...	2,288.05	5,109.34
17,962.64	1,923.46	1,346.28	49,807.14	...	7,161.13	6,961.44
124,394.80	12,470.52	33,440.10	57,202.03	18,414.65	52,520.38	50,130.80
...	...	...	...	...	...	...
68,403.00	2,154.25	11,406.81	28,971.93	7,070.04	21,888.15	28,125.28
69,025.91	3,430.20	8,914.21	22,640.33	5,410.26	17,565.30	25,472.13
30,899.17	1,045.51	6,818.19	14,084.12	1,027.53	3,942.13	4,738.61
...	...	...	...	...	...	...
948.91	647.22	901.32	1,396.18	1,519.70	903.87	5,802.49
...	...	...	...	...	...	...
26,982.00	...	...	...	...	...	23,354.70
366,886.68	21,671.16	62,826.91	186,671.88	33,442.18	106,269.01	149,694.79
8,890.69	2,713.54	2,490.57	1,173.10	2,765.57	2,944.50	8,362.07
7,500.00	5,500.00	10,750.00	34,500.00	8,000.00	25,000.00	77,500.00
4,316.10	59.86	882.93	480.97	251.63	1,296.71	2,313.09
8,545.60	...	1,783.36	...	...	307.34	14,640.24
...	...	...	...	...	...	...
279,634.52	14,012.40	54,803.45	142,328.38	24,288.11	80,237.35	88,554.75
...	...	440.60	...	...	...	...
675,773.59	43,956.96	133,977.82	365,154.33	68,747.49	216,054.91	341,064.94
...	...	...	...	...	...	...
675,773.59	43,956.96	133,977.82	365,154.33	68,747.49	216,054.91	341,064.94
...	...	...	...	...	...	26,657.25
17,028.20	94.42	2,341.10	207.86	0.39	197.48	15.00
...	...	...	...	...	...	...
7,803.73	56.03	297.99	...	117.32	830.50	3,055.32
24,831.93	150.45	2,639.09	207.86	117.71	1,027.98	29,727.57
279,634.52	14,012.40	54,803.45	142,328.38	24,288.11	80,237.35	88,554.75
106,340.27	7,371.85	17,106.14	94,821.55	12,024.48	53,850.69	76,186.25
10,379.42	1,000.00	401.89	121.17	2,700.00	9,922.10	2,980.11
396,354.21	22,384.25	72,311.48	237,271.10	39,012.59	144,010.14	167,721.11
141,000.00	16,000.00	27.000.00	92,000.00	14,630.02	36,982.95	81,742.75
...	...	...	...	...	...	...
113,587.45	5,422.26	32,027.25	35,675.37	14,987.17	34,033.84	61,873.51
254,587.45	21,422.26	59,027.25	127,675.37	29,617.19	71,016.79	143,616.26
675,773.59	43,956.96	133,977.82	365,154.33	68,747.49	216,054.91	341,064.94
6.3	0.5	3.3	0.1	0.3	0.8	11.8

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality Population	Peterborough 27,776	Petrolia 2,605	Picton 3,383	Plattsville P.V.	Point Edward 1,221
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	80,537.86	900.00	10,901.23	....	....
Substation equipment	124,548.59	5,956.75	2,004.66	....	....
Distribution system—overhead	339,210.97	51,257.74	42,622.74	4,930.57	22,774.74
Distribution system—underground	....	....	....	....	....
Line transformers	139,700.86	35,421.76	14,662.12	2,432.95	7,918.41
Meters	129,035.70	17,843.98	21,976.32	2,615.28	7,222.15
Street light equipment, regular	62,060.66	6,649.63	10,557.74	158.29	3,252.88
Street light equipment, ornamental	....	....	....	....	....
Miscellaneous construction expense	5,271.00	5,162.07	4,063.42	589.38	712.72
Steam or hydraulic plant	....	....	....	....	....
Old plant	....	3,389.94	....	....	....
Total plant	880,365.64	126,581.87	106,788.23	10,726.47	41,880.90
Bank and cash balance	2,567.79	1,265.78	7,115.17	1,362.03	662.99
Securities and investments	235,000.00	35,000.00	41,500.00	9,000.00	19,000.00
Accounts receivable	47,868.79	1,477.81	2,130.32	41.60	458.98
Inventories	19,106.19	3,546.44	5,889.34	....	568.66
Sinking fund on local debentures	183,159.43	....	....	....	....
Equity in H-E.P.C. systems	414,791.75	127,190.37	68,966.04	11,678.75	81,744.23
Other assets	....	265.04	....	....	....
Total assets	1,782,859.59	295,327.31	232,389.10	32,808.85	144,315.76
Deficit	....	....	....	....	....
Total	1,782,859.59	295,327.31	232,389.10	32,808.85	144,315.76
LIABILITIES					
Debenture balance	235,920.00	2,282.57	....	....	....
Accounts payable	32,505.70	103.95	33.70	42.69	1,622.24
Bank overdraft	....	....	....	....	....
Other liabilities	440.00	1,192.56	4,152.25	....	401.35
Total liabilities	268,865.70	3,579.08	4,185.95	42.69	2,023.59
RESERVES					
For equity in H-E.P.C. systems	414,791.75	127,190.37	68,966.04	11,678.75	81,744.23
For depreciation	224,317.19	50,938.45	27,326.66	4,754.39	19,627.99
Other reserves	1,212.42	62.20	14,468.91	....	1,042.59
Total reserves	640,321.36	178,191.02	110,761.61	16,433.14	102,414.81
SURPLUS					
Debentures paid	264,690.67	47,717.43	5,730.32	5,237.00	17,000.00
Local sinking fund	183,159.43	....	....	....	....
Operating surplus	425,822.43	65,839.78	111,711.22	11,096.02	22,877.36
Total surplus	873,672.53	113,557.21	117,441.54	16,333.02	39,877.36
Total liabilities, reserves and surplus	1,782,859.59	295,327.31	232,389.10	32,808.85	144,315.76
Percentage of net debt to total assets	7.2	2.1	2.6	0.2	3.2

"A"—Continued

Hydro Municipalities as at December 31, 1944

Port Colborne 7,050	Port Credit 1,956	Port Dalhousie 1,747	Port Dover 1,818	Port Elgin 1,329	Port Hope 4,910	Port McNicoll 964
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
29,470.68	675.00	....	248.75	111.25	11,691.21	369.08
....	....	....	....	....	3,100.00	....
88,294.75	38,708.86	23,104.02	37,378.47	27,468.82	57,356.07	9,972.33
....	....	....	....	....	....	....
31,954.16	15,479.23	15,038.93	14,697.97	7,955.37	21,796.83	1,779.20
29,845.38	14,727.26	12,665.11	11,961.21	8,370.79	28,884.36	3,417.14
5,300.06	5,180.06	1,083.91	2,767.73	2,270.59	3,601.25	696.26
16,611.59	....	....	....	....	....	....
6,716.33	1,120.66	3,128.80	2,154.66	238.42	5,398.38	683.17
....	....	....	....	....	....	....
9,929.60	....	6,018.38	....	4,213.00	....	....
218,122.55	75,891.07	61,039.15	69.208.79	50,628.24	131,828.10	16,917.18
7,673.03	4,535.19	3,560.49	717.04	3,285.35	2,338.80	483.89
93,000.00	10,000.00	8,500.00	12,000.00	9,000.00	22,000.00	2,500.00
2,656.96	802.41	842.79	1,602.73	79.14	356.10	173.41
3,377.36	....	255.25	213.48	....	2,640.00	....
....	....	....	....	....	....	....
127,049.39	52,906.88	47,883.62	33,939.93	17,416.07	78,431.76	7,998.42
43.50	....	17.05	25.58	....	....	....
451,922.79	144,135.55	122,098.35	117,707.55	80,408.80	237,594.76	28,072.90
....	....	....	....	....	....	....
451,922.79	144,135.55	122,098.35	117,707.55	80,408.80	237,594.76	28,072.90
13,166.45	1,707.21	....	....	17,105.74	....	....
226.65	562.27	292.63	135.00	3,447.81	....	63.24
....	....	....	....	....	....	....
20,333.52	1,144.07	1,163.66	729.00	....	6,448.55	258.40
33,726.62	3,413.55	1,456.29	864.00	20,553.55	6,448.55	321.64
127,049.39	52,906.88	47,883.62	33,939.93	17,416.07	78,431.76	7,998.42
64,474.99	25,800.37	11,823.14	20,904.43	12,429.99	32,439.61	6,495.31
29,631.33	7,849.48	214.16	....	....	....	....
221,155.71	86,556.73	59,920.92	54,844.36	29,846.06	110,871.37	14,493.73
132,833.55	12,792.79	22,500.00	29,000.00	24,894.26	79,000.00	7,300.00
....	....	....	....	....	....	....
64,206.91	41,372.48	38,221.14	32,999.19	5,114.93	41,274.84	5,957.53
197,040.46	54,165.27	60,721.14	61,999.19	30,009.19	120,274.84	13,257.53
451,922.79	144,135.55	122,098.35	117,707.55	80,408.80	237,594.76	28,072.90
5.6	3.7	1.9	0.0	32.6	4.1	1.6

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Port Perry	Port Rowan	Port Stanley	Prescott	Preston
Population	1,216	622	919	3,283	6,707
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings			1,574.60	2,761.54	
Substation equipment	2,564.65				57,211.70
Distribution system—overhead	20,066.24	10,396.48	27,744.41	43,128.88	92,040.97
Distribution system—underground					
Line transformers	5,363.65	1,883.34	14,325.19	21,183.02	55,798.95
Meters	5,319.71	2,807.31	13,430.57	21,468.99	45,075.87
Street light equipment, regular	1,816.38	893.23	2,189.82	2,302.03	5,646.12
Street light equipment, ornamental					
Miscellaneous construction expense	188.68	726.43	6,809.64	1,198.52	9,037.89
Steam or hydraulic plant					
Old plant					32,126.75
Total plant	35,319.31	16,706.79	66,074.23	92,042.98	296,938.25
Bank and cash balance	2,569.28	2,794.59	420.85	2,276.17	15,968.95
Securities and investments	7,000.00	6,500.00	21,000.00	3,300.00	25,000.00
Accounts receivable	360.62	6.06	513.64	2,246.95	13,967.83
Inventories			14.00	516.80	6,156.47
Sinking fund on local debentures					
Equity in H-E.P.C. systems	22,880.39	8,838.04	51,708.96	62,689.18	324,789.69
Other assets					3.82
Total assets	68,129.60	34,845.48	139,731.68	163,072.08	682,825.01
Deficit					
Total	68,129.60	34,845.48	139,731.68	163,072.08	682,825.01
LIABILITIES					
Debenture balance	3,098.49	2,564.10			8,145.73
Accounts payable			127.25	3,758.32	10,082.94
Bank overdraft					
Other liabilities	644.00	235.00	326.42	456.40	1,211.73
Total liabilities	3,742.49	2,799.10	453.67	4,214.72	19,440.40
RESERVES					
For equity in H-E.P.C. systems	22,880.39	8,838.04	51,708.96	62,689.18	324,789.69
For depreciation	14,988.83	5,828.15	21,666.06	57,375.17	163,288.78
Other reserves			4,075.23		439.88
Total reserves	37,869.22	14,666.19	77,450.25	120,064.35	488,518.35
SURPLUS					
Debentures paid	16,783.17	8,435.90	18,950.00	12,170.99	144,654.27
Local sinking fund					
Operating surplus	9,734.72	8,944.29	42,877.76	26,622.02	30,211.99
Total surplus	26,517.89	17,380.19	61,827.76	38,793.01	174,866.26
Total liabilities, reserves and surplus	68,129.60	34,845.48	139,731.68	163,072.08	682,825.01
Percentage of net debt to total assets	8.3	10.8	0.5	4.2	5.4

"A"—Continued

Hydro Municipalities as at December 31, 1944

Priceville P.V.	Princeton P.V.	Queenston P.V.	Richmond 437	Richmond Hill 1,423	Ridgetown 1,854	Ripley 361
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
68.00	...	...	...	...	3,652.97	...
...	...	...	...	600.00	1,024.24	...
5,531.33	4,478.31	8,868.77	6,964.25	13,103.58	24,831.87	10,651.29
...	...	...	...	...	...	...
1,120.36	3,473.44	3,499.29	1,445.78	12,385.34	12,608.57	4,797.30
590.89	1,576.66	1,971.61	1,662.49	7,683.42	10,847.08	2,142.26
256.88	207.93	435.63	194.48	1,338.88	6,963.68	844.33
...	...	...	...	...	1,431.73	...
833.90	85.71	2,626.46	612.67	...	1,394.75	1,236.36
...	...	...	...	...	...	...
...	...	...	...	...	5,088.46	...
8,401.36	9,822.05	17,401.76	10,879.67	35,111.22	67,843.35	19,671.54
337.20	986.23	619.39	1,222.36	4,045.28	1,131.00	1,000.46
2,500.00	6,500.00	6,800.00	...	8,500.00	15,000.00	...
3.49	18.57	142.39	88.90	119.95	256.27	7.84
...	...	...	...	...	400.19	...
...	...	...	...	...	...	...
1,211.17	12,082.99	8,766.86	3,977.45	26,302.36	53,711.53	10,165.57
...	...	...	...	...	280.00	...
12,453.22	29,409.84	33,730.40	16,168.38	74,078.81	138,622.34	30,845.41
...	...	...	...	...	...	...
12,453.22	29,409.84	33,730.40	16,168.38	74,078.81	138,622.34	30,845.41
...	...	521.56	1,963.86	...	719.68	4,330.48
101.06	46.00	.40	...	1,957.81	1,920.63	...
...	...	...	...	...	...	...
...	...	75.00	74.87	567.24	2,356.73	383.83
101.06	46.00	596.96	2,038.73	2,525.05	4,997.04	4,714.31
1,211.17	12,082.99	8,766.86	3,977.45	26,302.36	53,711.53	10,165.57
3,903.31	3,426.04	5,645.03	2,953.73	4,641.73	23,498.36	4,868.49
...	...	...	...	3,069.37	8,713.45	...
5,114.48	15,509.03	14,411.89	6,931.18	34,013.46	85,923.34	15,034.06
7,000.00	3,550.00	8,978.44	4,536.14	12,200.00	18,736.31	9,641.46
...	...	...	...	...	...	...
237.68	10,304.81	9,743.11	2,662.33	25,340.30	28,965.65	1,455.58
7,237.68	13,854.81	18,721.55	7,198.47	37,540.30	47,701.96	11,097.04
12,453.22	29,409.84	33,730.40	16,168.38	74,078.81	138,622.34	30,845.41
0.9	0.3	2.4	16.7	5.3	4.3	22.8

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Riverside	Rockwood	Rodney	Rosseau	Russell
Population	5,525	P.V.	722	201	P.V.
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	11,371.12	79.00	....	....	....
Substation equipment	....	....	....	....	....
Distribution system—overhead	86,373.91	9,143.32	12,289.98	7,857.44	8,215.46
Distribution system—underground	....	....	....	....	....
Line transformers	28,070.01	3,823.65	4,000.32	2,314.23	1,790.50
Meters	28,753.49	3,663.81	4,021.33	1,317.86	1,935.57
Street light equipment, regular	....	731.82	3,533.02	623.60	589.70
Street light equipment, ornamental	19,163.24	....	....	....	....
Miscellaneous construction expense	6,482.01	444.97	856.21	1,118.09	1,209.25
Steam or hydraulic plant	....	....	....	....	....
Old plant	....	....	....	....	....
Total plant	180,213.78	17,886.57	24,700.86	13,231.22	13,740.48
Bank and cash balance	513.98	528.34	1,941.09	1,197.53	1,001.41
Securities and investments	36,000.00	4,600.00	6,700.00	2,000.00	6,000.00
Accounts receivable	10,307.26	30.45	27.19	....	....
Inventories	4,949.72	91.92	....	....	....
Sinking fund on local debentures	....	....	....	....	....
Equity in H-E.P.C. systems	103,110.39	13,969.00	17,177.42	4,702.28	7,016.17
Other assets	....	....	....	....	....
Total assets	335,095.13	37,106.28	50,546.56	21,131.03	27,758.06
Deficit	....	....	....	125.22	....
Total	335,095.13	37,106.28	50,546.56	21,256.25	27,758.06
LIABILITIES					
Debenture balance	....	1,160.79	....	7,709.04	793.17
Accounts payable	4,433.26	30.84	656.82	....	3.02
Bank overdraft	....	....	....	....	....
Other liabilities	21,443.37	133.72	305.00	20.00	20.00
Total liabilities	25,876.63	1,325.35	961.82	7,729.04	816.19
RESERVES					
For equity in H-E.P.C. systems	103,110.39	13,969.00	17,177.42	4,702.28	7,016.17
For depreciation	58,753.12	8,009.26	5,474.59	3,465.23	4,073.39
Other reserves	13,338.82	....	75.54	68.74	....
Total reserves	175,202.33	21,978.26	22,727.55	8,236.25	11,089.56
SURPLUS					
Debentures paid	82,500.00	3,339.21	8,500.00	5,290.96	9,206.83
Local sinking fund	....	....	....	....	....
Operating surplus	51,516.17	10,463.46	18,357.19	....	6,645.48
Total surplus	134,016.17	13,802.67	26,857.19	5,290.96	15,852.31
Total liabilities, reserves and surplus	335,095.13	37,106.28	50,546.56	21,256.25	27,758.06
Percentage of net debt to total assets	3.2	5.7	2.9	47.0	3.9

"A"—Continued

Hydro Municipalities as at December 31, 1944

St. Catharines 32,559	St. Clair Beach *153	St. George P.V.	St. Jacobs P.V.	St. Marys 4,005	St. Thomas 17,773
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
55,475.10	...	...	...	18,773.68	79,093.04
160,533.82	...	...	...	32,455.55	131,949.61
297,622.82	9,224.37	6,212.01	7,953.61	64,723.06	127,130.95
...	...	...	...	...	52,815.87
202,426.03	3,333.56	3,919.64	4,927.21	27,722.24	71,370.70
149,663.42	2,316.13	3,722.10	3,940.46	28,236.10	81,769.32
24,243.13	...	339.74	396.19	6,638.04	22,502.13
29,486.71	...	...	...	...	3,693.04
5,748.81	3.20	374.18	490.10	5,918.94	3,768.70
...	...	...	...	...	...
24,000.00	...	...	...	20,696.85	...
949,199.84	14,877.26	14,567.67	17,707.57	205,164.46	574,093.36
8,908.33	907.62	270.12	435.30	6,018.07	175.00
285,000.00	5,500.00	9,500.00	85,00.00	18,000.00	145,000.00
56,677.27	223.00	27.66	4.77	805.77	19,535.97
15,023.58	...	...	...	670.98	10,991.97
...	...	...	...	...	...
847,587.35	8,642.55	17,541.18	21,066.72	163,795.98	622,020.13
...	...	...	...	115.05	...
2,162,396.37	30,150.43	41,906.63	47,714.36	394,570.31	1,371,816.43
...	...	...	...	...	...
2,162,396.37	30,150.43	41,906.63	47,714.36	394,570.31	1,371,816.43
22,750.00	...	...	...	11,594.47	...
93,040.85	329.15	3.75	11.78	355.58	...
...	...	...	...	...	281.20
29,933.21	125.00	392.82	...	1,134.00	18,470.02
145,724.06	454.15	396.57	11.78	13,084.05	18,751.22
847,587.35	8,642.55	17,541.18	21,066.72	163,795.98	622,020.13
311,874.11	6,132.74	4,642.11	4,703.23	84,477.05	243,834.18
52,619.71	34.74	2,000.00	...	3,196.96	25,448.81
1,212,081.17	14,810.03	24,183.29	25,769.95	251,469.99	891,303.12
279,272.91	6,341.45	6,000.00	6,000.00	102,652.55	138,944.07
...	...	...	...	...	...
525,318.23	8,544.80	11,326.77	15,932.63	27,363.72	322,818.02
804,591.14	14,886.25	17,326.77	21,932.63	130,016.27	461,762.09
2,162,396.37	30,150.43	41,906.63	47,714.36	394,570.31	1,371,816.43
9.0	2.1	1.6	0.0	5.7	2.0

*Summer population

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Sarnia	Scarborough Twp. V.A.	Seaforth	Shelburne	Simcoe
Population	17,840		1,711	1,044	6,224
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	143,236.28	20,696.77	1,836.39	800.00	10,701.89
Substation equipment	235,560.49	18,309.47	8,930.07	566.60	41,527.90
Distribution system—overhead	240,405.81	335,950.83	32,416.73	15,434.65	61,965.62
Distribution system—underground	27.25				1,412.24
Line transformers	97,813.93	99,944.11	13,953.24	7,771.53	44,644.02
Meters	93,494.89	90,292.87	11,786.31	7,018.28	38,246.70
Street light equipment, regular	28,518.79	21,740.49	5,789.27	1,104.49	8,500.33
Street light equipment, ornamental	8,271.83				3,500.00
Miscellaneous construction expense	25,088.18	4,434.71	964.43	2,189.46	6,634.87
Steam or hydraulic plant					
Old plant					927.92
Total plant	872,417.45	591,369.25	75,676.44	34,885.01	218,061.49
Bank and cash balance	600.42	7,450.47	2,456.69	667.06	7,660.03
Securities and investments	145,000.00	165,000.00	8,500.00	13,500.00	60,000.00
Accounts receivable	7,372.22	13,157.47	1,394.47	144.61	568.80
Inventories	18,767.31		1,285.31		6,616.81
Sinking fund on local debentures					
Equity in H-E.P.C. systems	796,432.33	247,711.25	75,633.11	24,290.93	141,499.44
Other assets	3,065.54	26.20			
Total assets	1,843,655.27	1,024,714.64	164,946.02	73,487.61	434,406.57
Deficit					
Total	1,843,655.27	1,024,714.64	164,946.02	73,487.61	434,406.57
LIABILITIES					
Debenture balance			8,945.36		10,269.33
Accounts payable	1,155.95	13,638.54	105.21	94.86	214.74
Bank overdraft					
Other liabilities	19,570.58	57,312.80	603.78	117.45	4,992.33
Total liabilities	20,726.53	70,951.34	9,654.35	212.31	15,476.40
RESERVES					
For equity in H-E.P.C. systems	796,432.33	247,711.25	75,633.11	24,290.93	141,499.44
For depreciation	260,436.85	188,634.85	26,107.21	19,076.34	47,270.27
Other reserves	35,944.57	59,244.59	256.65	1,500.00	22,000.00
Total reserves	1,092,813.75	495,590.69	101,996.97	44,867.27	210,769.71
SURPLUS					
Debentures paid	338,000.00	290,568.27	26,054.64	19,920.00	65,165.57
Local sinking fund					
Operating surplus	392,114.99	167,604.34	27,240.06	8,488.03	142,994.89
Total surplus	730,114.99	458,172.61	53,294.70	28,408.03	208,160.46
Total liabilities, reserves and surplus	1,843,655.27	1,024,714.64	164,946.02	73,487.61	434,406.57
Percentage of net debt to total assets	1.2	9.0	10.8	0.4	4.1

"A"—Continued

Hydro Municipalities as at December 31, 1944

Smiths Falls 7,468	Smithville P.V.	Southampton 1,597	Springfield 409	Stamford Township V.A.	Stayner 1,172	Stirling 939
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
9,746.57	....	25.00	....	8,343.07	....	8,522.88
4,765.59	....	....	....	38,143.09	200.00	8,034.64
95,666.34	10,882.74	27,755.44	10,228.10	168,485.79	16,800.49	7,057.31
....	....	....	....	....	....	....
40,112.15	4,118.05	11,059.27	3,003.15	67,151.64	6,966.61	4,854.60
39,185.69	4,497.45	10,782.06	2,348.18	51,325.05	7,471.52	5,454.73
9,539.26	1,630.00	2,558.48	609.47	10,859.08	1,095.02	3,203.33
....	....	....	....	....	....	....
2,534.19	219.20	309.59	685.08	11,785.32	310.33	1,259.98
....	....	....	....	....	....	....
....	1,878.98	2,477.00	....	13,743.66	....	....
201,549.79	23,226.42	54,966.84	16,873.98	369,836.70	32,843.97	38,387.47
2,067.23	3,537.38	1,375.51	1,185.19	15,833.04	908.35	6,386.13
91,000.00	10,000.00	4,000.00	5,500.00	36,000.00	7,000.00	12,500.00
871.41	32.03	102.38	110.86	12,153.00	132.26	704.69
148.03	....	....	....	5,725.12	....	877.74
....	....	....	....	....	....	....
128,732.85	1,465.01	15,953.57	11,202.54	125,180.78	21,406.05	11,408.41
....	....	....	....	678.81	....	....
424,369.31	38,260.84	76,398.30	34,872.57	565,407.45	62,290.63	70,264.44
....	....	....	....	....	....	....
424,369.31	38,260.84	76,398.30	34,872.57	565,407.45	62,290.63	70,264.44
....	5,493.63	6,229.25	1,015.80	43,942.60	....	....
422.95	57.34	99.43	271.80	825.14	197.18	....
....	....	....	....	....	....	....
309.30	70.00	7.98	15.00	8,255.30	349.00	389.93
732.25	5,620.97	6,336.66	1,302.60	53,023.04	546.18	389.93
128,732.85	1,465.01	15,953.57	11,202.54	125,180.78	21,406.05	11,408.41
106,012.72	7,433.91	11,582.13	3,891.91	96,720.71	17,455.04	10,181.68
5,622.08	....	....	....	34,259.14	45.38	....
240,367.65	8,898.92	27,535.70	15,094.45	256,160.63	38,906.47	21,590.09
122,787.33	9,506.37	26,770.68	8,484.20	196,335.57	9,867.59	10,000.00
....	....	....	....	....	....	....
60,482.08	14,234.58	15,755.26	9,991.32	59,888.21	12,970.39	38,284.42
183,269.41	23,740.95	42,525.94	18,475.52	256,223.78	22,837.98	48,284.42
424,369.31	38,260.84	76,398.30	34,872.57	565,407.45	62,290.63	70,264.44
0.2	15.3	10.5	5.5	12.0	1.3	0.7

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Stouffville	Stratford	Strathroy	Streetsville	Sunderland P.V.
Population	1,223	16,993	3,060	704	
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings		141,455.78	9,373.61	8,883.49	
Substation equipment		183,275.75	23,640.34	1,172.04	
Distribution system—overhead	15,035.74	157,545.65	50,335.49	9,610.37	4,525.87
Distribution system—underground		22,971.15			
Line transformers	5,656.84	108,566.45	26,600.75	7,687.40	1,772.83
Meters	5,658.14	92,066.46	17,438.89	4,410.15	2,400.95
Street light equipment, regular	1,613.55	25,809.76	6,238.53	1,619.31	670.57
Street light equipment, ornamental					
Miscellaneous construction expense	433.56	17,265.53	2,595.30	892.81	142.22
Steam or hydraulic plant				10,641.55	
Old plant		31,520.00			2,030.00
Total plant	28,397.83	780,476.53	136,222.91	44,917.12	11,542.44
Bank and cash balance	2,537.03	20,272.05	4,326.01	2,053.51	665.15
Securities and investments	19,500.00	198,000.00	29,000.00	9,500.00	3,000.00
Accounts receivable		9,100.14	2,930.44	1,038.11	
Inventories		9,423.06	1,619.85		
Sinking fund on local debentures		55,401.50			
Equity in H-E.P.C. systems	21,696.25	739,299.75	112,334.94	4,459.79	12,616.24
Other assets		754.00			
Total assets	72,131.11	1,812,727.03	286,434.15	61,968.53	27,823.83
Deficit					
Total	72,131.11	1,812,727.03	286,434.15	61,968.53	27,823.83
LIABILITIES					
Debenture balance		80,000.00	12,457.05	8,674.60	
Accounts payable	117.43	884.30	153.51	191.03	77.18
Bank overdraft					
Other liabilities	445.60	5,564.42	1,191.59	235.38	35.00
Total liabilities	563.03	86,448.72	13,802.15	9,101.01	112.18
RESERVES					
For equity in H-E.P.C. systems	21,696.25	739,299.75	112,334.94	4,459.79	12,616.24
For depreciation	5,260.25	409,771.52	52,865.73	8,239.42	6,701.02
Other reserves	4,350.96	30,825.72	1,021.76	2,621.35	59.25
Total reserves	31,307.46	1,179,896.99	166,222.43	15,320.56	19,376.51
SURPLUS					
Debentures paid	14,673.90	375,800.00	41,431.80	8,870.48	6,800.00
Local sinking fund		55,401.50			
Operating surplus	25,586.72	115,179.82	64,977.77	28,676.48	1,535.14
Total surplus	40,260.62	546,381.32	106,409.57	37,546.96	8,335.14
Total liabilities, reserves and surplus	72,131.11	1,812,727.03	286,434.15	61,968.53	27,823.83
Percentage of net debt to total assets	1.1	3.5	7.9	15.9	0.7

"A"—Continued

Hydro Municipalities as at December 31, 1944

Sutton 918	Swansea 7,033	Tara 478	Tavistock 1,042	Tecumseh 2,628	Teeswater 826	Thamesford P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	....	....	3,667.33	1,232.16	....	....
....	....	....	....	....	330.31	....
22,306.21	81,228.55	11,445.96	13,818.07	39,478.99	18,045.27	7,870.51
....	....	....	....	....	....	....
9,110.09	52,500.67	3,508.91	8,851.63	11,760.17	6,481.40	4,100.27
7,456.81	37,656.06	2,265.94	6,713.47	14,477.64	4,064.84	3,543.35
1,932.90	10,929.96	2,721.65	1,152.93	....	1,495.82	298.97
....	....	....	....	4,760.95	....	....
1,668.86	5,206.22	1,433.06	761.33	2,611.05	1,794.90	366.15
....	....	....	....	....	....	....
675.00	....	....	....	....	4,976.86	....
43,149.87	187,521.46	21,375.52	34,964.76	74,320.96	37,189.40	16,179.25
....	....	....	....	....	....	....
1,288.00	6,967.44	696.15	102.77	5,162.09	....	345.27
12,000.00	65,000.00	10,500.00	12,000.00	12,000.00	11,000.00	5,000.00
274.46	1,405.30	30.06	7.42	2,215.89	4.86	3.25
....	13.50	....	629.46	180.12	....	....
....	....	....	....	....	....	....
21,500.82	113,427.80	10,738.01	57,132.42	33,243.64	15,605.74	21,418.13
....	13.70	....	....	....	....	....
78,213.15	374,349.20	43,339.74	104,836.83	127,122.70	63,800.00	42,945.90
....	....	....	....	....	....	....
78,213.15	374,349.20	43,339.74	104,836.83	127,122.70	63,800.00	42,945.90
....	54,046.26	....	725.78	....	....	....
....	527.90	21.49	166.26	1,304.30	1.34	28.85
....	....	....	....	....	57.22	....
20.00	5,153.49	....	....	5,464.93	43.00	108.00
20.00	59,727.65	21.49	892.04	6,769.23	101.56	136.85
21,500.82	113,427.80	10,738.01	57,132.42	33,243.64	15,605.74	21,418.13
14,103.90	65,752.93	11,353.00	15,482.80	21,221.17	12,651.67	7,224.82
1,645.84	264.49	....	1,000.00	5,989.57	1,000.00	....
37,250.56	179,445.22	22,091.01	73,615.22	60,454.38	29,257.41	28,642.95
26,000.00	48,620.70	15,500.00	5,274.22	26,000.00	28,000.00	5,358.03
....	....	....	....	....	....	....
14,942.59	86,555.63	5,727.24	25,055.35	33,899.09	6,441.03	8,808.07
40,942.59	135,176.33	21,227.24	30,329.57	59,899.09	34,441.03	14,166.10
78,213.15	374,349.20	43,339.74	104,836.83	127,122.70	63,800.00	42,945.90
0.0	22.9	0.1	1.9	2.3	0.2	0.6

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Thamesville	Thedford	Thorndale	Thornton	Thorold
Population	789	557	P.V.	P.V.	5,374
	$ c.	$ c.	$ c.	$ c.	$ c.
ASSETS					
Lands and buildings	681.69				10,837.37
Substation equipment					2,572.33
Distribution system—overhead	13,348.51	9,979.86	3,922.34	6,805.06	44,007.85
Distribution system—underground					
Line transformers	5,773.60	4,370.73	2,045.45	1,764.80	24,035.33
Meters	4,823.21	3,145.54	2,023.45	1,009.17	24,804.22
Street light equipment, regular	2,278.15	917.64	181.19	433.25	3,244.74
Street light equipment, ornamental					
Miscellaneous construction expense	287.98	1,733.13	310.45	300.35	2,584.80
Steam or hydraulic plant					
Old plant		433.78			
Total plant	27,193.14	20,580.68	8,482.88	10,312.63	112,086.64
Bank and cash balance	1,100.63	2,029.71	280.83	1,174.06	1,439.74
Securities and investments	14,500.00	12,000.00	3,600.00	2,500.00	69,000.00
Accounts receivable	118.39	203.67	88.57	16.00	238.65
Inventories					2,715.89
Sinking fund on local debentures					
Equity in H-E.P.C. systems	21,802.78	12,096.29	10,583.66	4,215.33	130,964.78
Other assets					219.25
Total assets	64,714.94	46,910.35	23,035.94	18,218.02	316,664.95
Deficit				830.37	
Total	64,714.94	46,910.35	23,035.94	19,048.39	316,664.95
LIABILITIES					
Debenture balance			134.38		
Accounts payable	92.56	216.90	26.79	655.29	70.06
Bank overdraft					
Other liabilities	381.00	11.39	65.80		2,542.50
Total liabilities	473.56	228.29	226.97	655.29	2,612.56
RESERVES					
For equity in H-E.P.C. systems	21,802.78	12,096.29	10,583.66	4,215.33	130,964.78
For depreciation	13,165.84	6,909.54	5,568.84	6,677.77	41,338.66
Other reserves	164.86		424.04		
Total reserves	35,133.48	19,005.83	16,576.54	10,893.10	172,303.44
SURPLUS					
Debentures paid	11,187.80	16,500.00	2,952.10	7,500.00	5,000.00
Local sinking fund					
Operating surplus	17,920.10	11,176.23	3,280.33		136,748.95
Total surplus	29,107.90	27,676.23	6,232.43	7,500.00	141,748.95
Total liabilities, reserves and surplus	64,714.94	46,910.35	23,035.94	19,048.39	316,664.95
Percentage of net debt to total assets	1.1	0.6	1.8	4.7	1.4

"A"—Continued

Hydro Municipalities as at December 31, 1944

Tilbury 1,982	Tillsonburg 3,999	Toronto* 674,285	Toronto Twp. V.A.	Tottenhan 482	Trafalgar Twp. V.A. No. 1	Trafalgar Twp. V.A. No. 2
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
11,712.47	4,824.27	5,546,108.38	8,072.99	....	156.34	....
....	21,899.54	14,806,971.96	....	358.50	....	....
17,605.54	51,157.98	6,932,270.30	223,393.87	9,127.77	24,136.34	12,694.98
....	....	4,097,719.55	....	....	....	....
14,589.48	28,926.18	3,677,929.92	89,755.73	1,697.12	12,413.05	2,985.30
8,485.93	24,184.17	3,122.663.37	54,563.19	2,733.48	6,725.99	1,857.83
1,080.92	12,364.89	417,874.22	5,810.39	496.86	....	....
....	....	....	....	....	....	....
1,472.18	1,673.25	2,055,943.65	3,172.73	1,298.92	1,326.90	316.54
....	....	....	....	....	....	....
....	....	....	619.65	286.45	....	....
54,946.52	145,030.28	40,657,481.35	385,388.55	15,999.10	44,758.62	17,854.65
1,796.51	3,897.50	359,777.18	1,983.55	528.26	2,023.13	179.80
18,000.00	26,500.00	8,096,990.18	32,000.00	3,250.00	7,000.00	6,000.00
282.18	301.29	1,704,731.96	316.19	30.14	724.48	27.50
20.31	1,606.21	487,114.58	39.50	....	....	....
....	....	3,996,104.31	....	....	....	....
62,830.52	111,108.40	25,507,933.23	149,285.86	13,526.28	8,598.56	3,055.63
10.77	....	28,205.57	....	....	....	....
137,886.81	288,443.68	80,838,338.36	569,013.65	33,333.78	63,104.79	27,117.58
....	....	....	....	2,942.55	....	....
127,886.81	288,443.68	80,838,338.36	569,013.65	36,276.33	63,104.79	27,117.58
....	8,573.95	7,985,600.00	10,450.51	1,799.95	....	5,360.02
123.70	21.28	287,987.19	5,103.51	511.20	77.19	50.55
....	....	....	....	....	....	....
28.25	3,849.43	243,369.37	5,514.54	258.00	....	....
151.95	12,444.66	8,516,956.56	21,068.56	2,569.15	77.19	5,410.57
62,830.52	111,108.40	25,507,933.23	149,285.86	13,526.28	8,598.56	3,055.63
21,709.82	39,613.31	13,152,670.25	173,520.32	9,013.75	24,253.49	5,181.93
2,643.60	7,221.79	1,180,610.30	2,067.20	....	....	....
87,183.94	157,943.50	39,841,213.78	324,873.38	22,540,03	32,852.05	8,237.56
10,950.53	37,426.05	22,310,942.76	93,549.49	11,167.15	19,426.41	4,101.13
....	....	3,996,104.31	....	....	....	....
39,600.39	80,629.47	6,173,120.95	129,522.22	....	10,749.14	9,368.32
50,550.92	118,055.52	32,480,168.02	223,071.71	11,167.15	30,175.55	13,469.45
137,886.81	288,443.68	80,838,338.36	569,013.65	36,276.33	63,104.79	27,117.58
0.2	7.0	8.8	5.0	13.0	0.1	22.5

*Includes 1944 power adjustment and equity.

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Trenton	Tweed	Uxbridge	Victoria Harbour	Walkerton
Population	9,387	1,250	1,425	937	2,619
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	5,139.41	....	40.00	....	....
Substation equipment	48,848.11	....	2,657.65	....	....
Distribution system—overhead	120,740.25	16,485.39	15,734.81	10,763.93	42,379.80
Distribution system—underground	....	....	....	....	....
Line transformers	26,984.61	4,754.93	5,536.64	2,371.26	15,221.71
Meters	41,123.95	6,129.82	6,184.66	3,707.09	13,491.29
Street light equipment, regular	18,863.92	2,251.51	1,505.99	366.32	2,771.24
Street light equipment, ornamental	....	....	....	....	....
Miscellaneous construction expense	6,768.68	....	960.76	690.38	2,106.22
Steam or hydraulic plant	....	....	....	....	....
Old plant	....	....	....	....	4,897.60
Total plant	268,468.93	29,621.65	32,620.51	17,898.98	80,867.86
Bank and cash balance	4,420.01	1,074.53	2,165.54	1,712.44	5,882.92
Securities and investments	65,500.00	11,000.00	6,000.00	3,800.00	14,000.00
Accounts receivable	468.05	599.44	160.13	103.08	1,571.85
Inventories	4,426.10	778.96	51.01	....	1,598.02
Sinking fund on local debentures	....	....	....	....	....
Equity in H-E.P.C. systems	112,463.21	12,922.53	24,756.61	8,152.26	27,791.02
Other assets	91.31	....	....	....	....
Total assets	455,837.61	55,997.11	65,753.80	31,666.76	131,711.67
Deficit	....	....	....	....	....
Total	455,837.61	55,997.11	65,753.80	31,666.76	131,711.67
LIABILITIES					
Debenture balance	....	....	....	....	29,251.76
Accounts payable	316.13	413.04	322.71	54.27	146.29
Bank overdraft	....	....	....	....	....
Other liabilities	6,677.81	297.00	395.00	....	256.00
Total liabilities	6,993.94	710.04	717.71	54.27	29,654.05
RESERVES					
For equity in H-E.P.C. systems	112,463.21	12,922.53	24,756.61	8,152.26	27,791.02
For depreciation	63,526.89	4,724.90	10,578.76	8,045.46	17,326.48
Other reserves	26,500.00	1,937.58	2,486.77	....	53.91
Total reserves	202,490.10	19,585.01	37,822.14	16,197.72	45,171.41
SURPLUS					
Debentures paid	165,000.00	19,000.00	16,207.59	6,500.00	33,748.24
Local sinking fund	....	....	....	....	....
Operating surplus	81,353.57	16,702.06	11,006.36	8,914.77	23,137.97
Total surplus	246,353.57	35,702.06	27,213.95	15,414.77	56,886.21
Total liabilities, reserves and surplus	455,837.61	55,997.11	65,753.80	31,666.76	131,711.67
Percentage of net debt to total assets	2.0	1.6	1.8	0.2	28.5

"A"—Continued

Hydro Municipalities as at December 31, 1944

Wallaceburg 4,970	Wardsville 227	Warkworth P.V.	Waterdown 808	Waterford 1,300	Waterloo 9,349	Watford 1,038
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
45,508.56			200.00	1,323.44	15,917.78	
11,484.36					79,877.58	
73,293.63	5,320.08	5,768.12	16,648.56	16,650.30	98,106.37	17,968.55
47,052.50	1,619.80	1,015.80	8,594.98	9,150.24	66,785.10	8,853.62
28,239.21	1,409.05	2,148.59	6,676.91	7,683.99	47,085.84	6,579.32
12,082.52	662.94	338.08	1,104.66	3,231.62	14,318.75	2,757.32
					3,106.80	
4,447.72	488.73	609.19	13.79	427.00	5,634.68	1,758.20
20,941.07		3,618.02			23,880.17	
243,049.57	9,500.60	13,497.80	33,238.90	38,466.59	354,713.07	37,917.01
877.35	116.29	703.31	3,222.99	1,587.88	10,019.57	2,896.00
60,500.00	5,000.00	4,200.00	9,000.00	11,300.00	99,000.00	12,300.00
2,891.27	1,138.57	5.70	363.88	23.52	1,539.19	471.83
11,762.99				146.95	1,162.56	603.18
241,171.02	4,587.03	4,990.00	27,336.21	40,403.92	335,192.65	30,439.73
235.66						16.71
560,487.86	20,342.49	23,396.81	73,161.98	91,928.86	801,627.04	84,644.46
560,487.86	20,342.49	23,396.81	73,161.98	91,928.86	801,627.04	84,644.46
2,830.82		5,881.71				
215.93	0.44	3.46		175.97	18.00	159.30
1,944.05						
3,302.35		24.00	94.37		3,106.80	318.20
8,293.15	0.44	5,909.17	94.37	175.97	3,124.80	477.50
241,171.02	4,587.03	4,990.00	27,336.21	40,403.92	335,192.65	30,439.73
71,931.24	4,522.90	3,882.52	10,218.98	15,196.88	184,795.10	14,363.53
18,373.26	25.22			2,500.00	735.26	109.17
331,475.52	9,135.15	8,872.52	37,555.19	58,100.80	520,723.01	44,912.43
68,705.76	7,562.40	5,118.29	8,000.00	7,745.53	106,000.00	9,055.77
152,013.43	3,644.50	3,496.83	27,512.42	25,906.56	171,779.23	30,198.76
220,719.19	11,206.90	8,615.12	35,512.42	33,652.09	277,779.23	39,254.53
560,487.86	20,342.49	23,396.81	73,161.98	91,928.86	801,627.04	84,644.46
2.6	0.0	32.1	0.2	0.3	0.0	0.9

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Waubaushene	Welland	Wellesley	Wellington
Population	P.V.	14,899	P.V.	1,076
Assets	$ c.	$ c.	$ c.	$ c.
Lands and buildings	....	77,006.74	....	200.00
Substation equipment	....	117,054.79	....	499.80
Distribution system—overhead	9,978.04	188,775.33	7,855.24	15,509.61
Distribution system—underground	....	8,044.90	....	....
Line transformers	2,836.34	120,311.84	3,153.94	5,252.67
Meters	3,325.23	82,260.44	3,153.66	6,363.94
Street light equipment, regular	303.35	11,428.04	545.11	1,349.61
Street light equipment, ornamental	....	40,273.85	....	....
Miscellaneous construction expense	280.65	9,572.11	218.79	820.46
Steam or hydraulic plant	....	....	....	....
Old plant	....	49,476.19	....	2,477.92
Total plant	16,723.61	704,204.23	14,926.74	32,474.01
Bank and cash balance	787.37	14,127.77	711.36	777.00
Securities and investments	....	194,220.76	7,300.00	12,000.00
Accounts receivable	65.63	10,325.02	....	86.76
Inventories	....	16,132.21	....	....
Sinking fund on local debentures	....	....	....	....
Equity in H-E.P.C. systems	5,820.01	397,788.42	19,706.55	12,953.60
Other assets	....	70.00	0.32	....
Total assets	23,396.62	1,336,868.41	42,644.97	58,291.37
Deficit	....	....	....	....
Total	23,396.62	1,336,868.41	42,644.97	58,291.37
Liabilities				
Debenture balance	....	....	....	2,623.27
Accounts payable	....	1,199.94	12.00	120.33
Bank overdraft	....	....	....	....
Other liabilities	....	52,894.44	....	41.25
Total liabilities	....	54,094.38	12.00	2,784.85
Reserves				
For equity in H-E.P.C. systems	5,820.01	397,788.42	19,706.55	12,953.60
For depreciation	4,363.57	228,813.49	5,160.98	13,385.73
Other reserves	125.00	3,729.50	....	....
Total reserves	10,308.58	630,331.41	24,867.53	26,339.33
Surplus				
Debentures paid	3,500.00	275,000.00	7,500.00	14,376.73
Local sinking fund	....	....	....	....
Operating surplus	9,588.04	377,442.62	10,265.44	14,790.46
Total surplus	13,088.04	652,442.62	17,765.44	29,167.19
Total liabilities, reserves and surplus	23,396.62	1,336,868.41	42,644.97	58,291.37
Percentage of net debt to total assets	0.0	1.5	0.1	6.1

"A"—Continued

Hydro Municipalities as at December 31, 1944

West Lorne	Weston	Westport	Wheatley	Whitby	Wiarton	Williamsburg P.V.
785	6,165	636	718	4,531	1,558	
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
...	11,903.31	...	52.50	6,619.20	...	...
...	72,093.84	...	...	34,288.16	333.57	...
12,847.22	72,645.84	7,409.39	17,443.42	62,530.47	22,367.70	3,431.14
...	...	...	...	...	...	...
6,696.28	56,429.70	1,185.33	4,715.53	16,258.86	7,302.09	1,978.92
4,686.19	33,687.74	1,894.94	4,803.56	22,577.83	7,796.13	2,391.10
881.46	29,010.09	706.11	1,918.67	12,486.05	2,914.96	174.61
...	...	...	...	...	...	...
454.71	5,353.86	1,317.00	693.37	6,005.57	5,535.65	35.38
...	...	...	...	...	...	...
...	...	1,713.00	2,569.50	1,340.13	1,870.35	...
25,565.86	281,124.38	14,225.77	32,196.55	162,106.27	48,120.45	8,011.15
1,931.86	3,049.20	435.91	1,164.63	4,576.99	2,080.03	130.35
10,500.00	16,500.00	6,100.00	15,000.00	37,000.00	17,000.00	24,000.00
3.76	448.19	...	192.33	880.70	266.09	376.39
123.90	410.42	142.04	162.87	465.72	...	...
...	...	...	...	...	...	...
30,527.92	301,194.00	6,651.04	17,657.70	66,183.63	19,145.53	7,795.88
...	...	...	...	...	...	...
68,653.30	602,726.19	27,554.76	66,374.08	271,213.31	86,612.10	40,313.77
...	...	...	...	...	...	...
68,653.30	602,726.19	27,554.76	66,374.08	271,213.31	86,612.10	40,313.77
...	...	7,133.20	...	5,845.72	19,396.65	...
181.46	5.37	...	851.53	300.16	120.69	38.48
...	...	...	...	...	...	...
112.10	747.91	240.00	50.00	1,646.37	256.24	293.34
293.56	753.28	7,373.20	901.53	7,792.25	19,773.58	331.82
30,527.92	301,194.00	6,651.04	17,657.70	66,183.63	19,145.53	7,795.88
12,063.86	56,548.77	2,902.99	9,820.74	34,561.36	9,897.98	4,201.84
65.12	420.16	...	60.83	...	2,996.25	327.28
42,656.90	358,162.93	9,554.03	27,539.27	100,744.99	32,039.76	12,325.00
8,000.00	70,032.44	7,866.80	13,000.00	70,766.78	18,003.35	2,750.00
...	...	...	...	...	...	...
17,702.84	173,777.54	2,760.73	24,933.28	91,909.29	16,795.41	24,906.95
25,702.84	243,809.98	10,627.53	37,933.28	162,676.07	34,798.76	27,656.95
68,653.30	602,726.19	27,554.76	66,374.08	271,213.31	86,612.10	40,313.77
0.8	0.2	35.3	1.9	3.8	29.3	1.0

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality Population	Winchester 1,029	Windermere 118	Windsor 109,948	Wingham 2,058	Woodbridge 1,019
	$ c.	$ c.	$ c.	$ c.	$ c.
Assets					
Lands and buildings	299.85	....	597,504.45	21,513.45	....
Substation equipment	....	....	1,353,455.05	4,863.91	....
Distribution system—overhead	10,552.78	9,898.48	1,375,507.15	41,588.50	19,499.78
Distribution system—underground	....	....	219,152.01	....	....
Line transformers	4,906.59	3,492.70	605,774.43	19,852.92	6,219.55
Meters	6,114.24	1,235.36	582,948.14	16,986.55	6,590.80
Street light equipment, regular	719.87	247.26	99,747.50	11,293.89	624.03
Street light equipment, ornamental	....	....	1,021,495.33	....	....
Miscellaneous construction expense	315.52	536.29	172,442.96	5,023.15	708.10
Steam or hydraulic plant	....	....	....	14,711.99	....
Old plant	1,100.00	....	166,440.66	12,320.02	....
Total plant	24,008.85	15,410.09	6,194,194.68	148,154.38	33,642.26
Bank and cash balance	2,458.68	580.35	1,075.00	30.00	2,773.88
Securities and investments	10,500.00	4,400.00	1,341,609.84	....	12,000.00
Accounts receivable	31.54	111.32	127,535.91	1,958.04	121.46
Inventories	....	....	198,172.12	4,675.53	....
Sinking fund on local debentures	....	....	76,340.29	....	....
Equity in H-E.P.C. systems	24,393.92	3,191.56	3,831,390.46	48,297.10	40,537.72
Other assets	....	....	30,000.00	....	....
Total assets	61,392.99	23,693.32	11,800,318.30	203,115.05	89,075.32
Deficit	....	....	....	....	....
Total	61,392.99	23,693.32	11,800,318.30	203,115.05	89,075.32
Liabilities					
Debenture balance	....	5,944.35	329,319.40	16,869.37	554.35
Accounts payable	....	47.19	127,557.68	3,061.94	129.29
Bank overdraft	....	....	140,634.70	527.89	....
Other liabilities	10.00	....	1,162,021.88	1,282.15	604.28
Total liabilities	10.00	5,991.54	1,759,533.66	21,741.35	1,287.92
Reserves					
For equity in H-E.P.C. systems	24,393.92	3,191.56	3,831,390.46	48,297.10	40,537.72
For depreciation	11,770.08	4,505.37	1,737,094.54	42,980.86	13,148.98
Other reserves	....	....	576,837.38	....	5,200.00
Total reserves	36,164.00	7,696.93	6,145,322.38	91,277.96	58,886.70
Surplus					
Debentures paid	10,650.00	5,818.95	2,254,512.65	79,236.13	7,945.62
Local sinking fund	....	....	76,340.29	....	....
Operating surplus	14,568.99	4,185.90	1,564,609.32	10,859.61	20,955.08
Total surplus	25,218.99	10,004.85	3,895,462.26	90,095.74	28,900.70
Total liabilities, reserves and surplus	61,392.99	23,693.32	11,800,318.30	203,115.05	89,075.32
Percentage of net debt to total assets	0.0	29.2	9.6	14.0	2.7

"A"—Continued

Hydro Municipalities as at December 31, 1944

Woodstock 12,745	Woodville 415	Wyoming 494	York Twp. V.A.	Zurich P.V.	SOUTHERN ONTARIO SYSTEM SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
41,780.85	....	50.00	75,981.47	....	11,011,709.55
133,098.19	....	....	344,736.82	....	25,138,149.79
134,718.79	3,539.72	11,202.29	806,796.50	7,373.89	24,733,203.17
....	....	....	....	....	6,385,742.19
76,424.09	2,167.24	2,900.88	346,101.20	2,844.27	12,290,850.67
69,077.25	2,234.83	3,229.81	357,567.41	2,808.75	10,881,318.03
22,811.36	521.83	548.49	58,811.39	471.82	2,643.616.36
....	....	....	....	....	1,542,819.42
4,498.39	257.51	864.52	46,769.15	376.45	3,342,456.40
....	....	....	....	....	43,018.94
....	2,182.50	....	....	150.00	820,607.24
482,408.92	10,903.63	18,795.99	2,036,763.94	14,025.18	98,833,491.76
5,630.12	529.23	635.19	17,474.32	1,460.27	1,845,325.74
133,500.00	5,000.00	2,500.00	270,300.00	9,500.00	19,854.668.89
2,086.94	636.88	20.08	68,770.13	120.37	3,588,617.46
322.18	....	....	33,553.50	....	1,536,413.40
....	....	....	....	....	4,759,820.70
514,299.46	12,290.71	10,195.74	937,002.00	16,473.76	65,837,399.13
132.20	166.27	....	....	....	187,106.63
1,138,379.82	29,526.72	32,147.00	3,363,863.89	41,579.58	196,442.843.71
....	....	....	....	....	17,351.17
1,138,379.82	29,526.72	32,147.00	3,363,863.89	41,579.58	196,460,194.88
....	....	....	82,285.72	1,055.30	11,149,404.37
999.20	355.23	529.51	58,483.65	855.94	1,585,581.38
....	....	....	....	....	174,491.81
9,430.00	17.00	111.06	32,386.86	10.00	2,484,860.92
10,429.20	372.23	640.57	173,156.23	1,921.24	15,394,338.48
514,299.46	12,290.71	10,195.74	937,002.00	16,473.76	65,837,399.13
231,979.95	3,842.16	6,460.47	771,317.70	7,815.89	32,676,960.10
43,840.58	957.22	....	14,449.14	....	5,858,040.15
790,119.99	17,090.09	16,656.21	1,722,768.84	24,289.65	104,372,399.38
127,385.63	5,500.00	9,700.00	407,088.93	4,536.31	44,186,095.93
....	....	....	....	....	4,759,820.70
210,445.00	6,564.40	5,150.22	1,060,849.89	10,832.38	27,747,540.39
337,830.63	12,064.40	14,850.22	1,467,938.82	15,368.69	76,693,457.02
1,138,379.82	29,526.72	32,147.00	3,363,863.89	41,579.58	196,460,194.88
1.7	2.1	2.9	7.1	7.7	7.3

STATEMENT

Balance Sheets of Electrical Departments of

THUNDER BAY SYSTEM

Municipality Population	Fort William 29,061	Nipigon Twp. V.A.	Port Arthur 24,424	THUNDER BAY SYSTEM SUMMARY
ASSETS	$ c.	$ c.	$ c.	$ c.
Lands and buildings	102,653.57	215.03	466,837.65	569,706.25
Substation equipment	154,707.82		311,619.97	466,327.79
Distribution system—overhead	246,775.03	18,666.21	520,228.91	785,670.15
Distribution system—underground				
Line transformers	103,426.89	5,453.41	121,589.68	230,469.98
Meters	98,097.27	4,588.09	120,777.41	223,462.77
Street light equipment, regular	48,734.97	2,436.86	83,469.00	134,640.83
Street light equipment, ornamental				
Miscellaneous construction expense	14,767.43	160.10	34,089.39	49,016.92
Steam or hydraulic plant			325,003.44	325,003.44
Old plant				
Total plant	769,162.98	31,519.70	1,983,615.45	2,784,298.13
Bank and cash balance	13,439.57	756.84	33,223.51	47,419.92
Securities and investments	189,550.00	9,000.00	787,901.78	986,451.78
Accounts receivable	33,722.96	63.26	52,464.36	86,250.58
Inventories	26,205.12		21,609.79	47,814.91
Sinking fund on local debentures	120,679.07			120,679.07
Equity in H-E.P.C. systems	936,842.57	8,825.92	2,703,480.39	3,649,148.88
Other assets	5,150.00		281.49	5,431.49
Total assets	2,094,752.27	50,165.72	5,582,576.77	7,727,494.76
Deficit				
Total	2,094,752.27	50,165.72	5,582,576.77	7,727,494.76
LIABILITIES				
Debenture balance	250,000.00			250,000.00
Accounts payable	35,704.14	37.80	44,725.32	80,467.26
Bank overdraft				
Other liabilities	34,009.27	115.84		34,125.11
Total liabilities	319,713.41	153.64	44,725.32	364,592.37
RESERVES				
For equity in H-E.P.C. systems	936,842.57	8,825.92	2,703,480.39	3,649,148.88
For depreciation	191,085.90	6,086.37	745,987.80	943,160.07
Other reserves	62,685.83	2,500.00	144,449.12	209,634.95
Total reserves	1,190,614.30	17,412.29	3,593,917.31	4,801,943.90
SURPLUS				
Debentures paid	124,209.11	10,000.00	642,100.00	776,309.11
Local sinking fund	120,679.07			120,679.07
Operating surplus	339,536.38	22,599.79	1,301,834.14	1,663,970.31
Total surplus	584,424.56	32,599.79	1,943,934.14	2,560,958.49
Total liabilities, reserves and surplus	2,094,752.27	50,165.72	5,582,576.77	7,727,494.76
Percentage of net debt to total assets	19.1	0.3	1.6	6.2

"A"—Concluded

Hydro Municipalities as at December 31, 1944

NORTHERN ONTARIO DISTRICTS

Capreol 1,663	North Bay 15,933	Sioux Lookout 1,734	Sudbury 34,020	NORTHERN ONTARIO DISTRICTS SUMMARY	ALL SYSTEMS GRAND SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
450.00	58,115.49	....	73,127.45	131,692.94	11,713.108.74
9,730.32	71,129.06	....	120,007.14	200,866.52	25,805,344.10
13,629.47	149,775.42	9,352.18	383,786.38	556,543.45	26,075,416.77
....	....	....	....	....	6,385,742.19
5,696.62	45,572.47	3,876.01	121,614.46	176,759.56	12,698,080.21
5,457.84	81,761.05	6,111.11	141,368.84	234,698.84	11,339,479.64
1,126.26	28,670.88	1,794.15	116,517.22	148,108.51	2,926,365.70
....	....	....	....	....	1,542,819.42
882.04	6,416.78	899.00	14,886.11	23,083.93	3,414,557.25
					368,022.38
....	....	....	....	....	820,607.24
36,972.55	441,441.15	22,032.45	971,307.60	1,471,753.75	103,089,543.64
277.36	10,762.62	3,030.09	40,257.63	54,327.70	1,947,073.36
10,000.00	121,000.00	....	273,500.00	404,500.00	21,245,620.67
34.28	13,040.05	1,324.57	21,247.82	35,646.72	3,710,514.76
....	10,261.08	424.79	27,952.39	38,638.26	1,622,866.57
....	....	....	....	....	4,880,499.77
....	....	....	....	....	69,486,548.01
....	93.84	....	29.50	123.34	192,661.46
47,284.19	596,598.74	26.811.90	1,334,294.94	2,004,989.77	206,175,328.24
....	....	....	....	....	17,351.17
47,284.19	596,598.74	26,811.90	1,334,294.94	2,004,989.77	206,192,679.41
....	135,000.00	....	77,954.73	212.954.73	11,612,359.10
83.53	1,060.25	600.33	33,627.95	35,372.06	1,701,420.70
....	....	....	....	....	174,491.81
455.00	29,506.11	2,470.80	33,561.32	65,993.23	2,584,979.26
538.53	165,566.36	3,071.13	145,144.00	314,320.02	16,073,250.87
....	....	....	....	....	69,486,548.01
7,281.84	238,027.55	2,138.33	139,385.48	386,833.20	34,006,953.37
96.09	51,841.85	162.69	188,821.09	240,921.72	6,308,596.82
7,377.93	289,869.40	2,301.02	328,206.57	627,754.92	109,802,098.20
19,000.00	105,000.00	....	389,383.80	513,383.80	45,475,788.84
....	....	....	....	....	4,880,499.77
20,367.73	36,162.98	21,439.75	471,560.57	549,531.03	29,961.041.73
39,367.73	141,162.98	21,439.75	860,944.37	1,062,914.83	80,317,330.34
47,284.19	596,598.74	26,811.90	1,334.294.94	2,004,989.77	206,192,679.41
1.1	27.75	11.4	10.9	15.7	7.4

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM

Municipality	Acton	Agincourt	Ailsa Craig	Alexandria	Alliston
Population	1,927	P.V.	446	1,975	1,504
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	14,521.65	6,067.83	2,901.51	7,783.74	13,432.94
Commercial light service	5,261.47	1,323.01	1,039.02	4,645.23	7,900.49
Commercial power service	32,753.26	818.16	1,657.75	4,420.85	3,153.54
Municipal power	596.24			911.94	998.27
Street lighting	1,722.63	792.00	623.76	1,769.03	1,762.27
Merchandise	326.76				
Miscellaneous	572.11	507.52	364.34	1,083.98	540.91
Total earnings	55,754.12	9,508.52	6,586.38	20,614.77	27,788.42
EXPENSES					
Power purchased	44,723.98	4,998.02	4,624.93	9,934.30	13,460.85
Substation operation					
Substation maintenance					
Distribution system, operation and maintenance	3,327.52	133.37	64.10	1,644.98	1,328.27
Line transformer maintenance	174.28			52.08	82.71
Meter maintenance	397.42	93.47	9.93	183.49	241.04
Consumers' premises expenses	321.45	8.20			37.05
Street lighting, operation and maintenance	442.59	62.72	66.35	213.87	301.77
Promotion of business					
Billing and collecting	1,349.96	598.98	288.56	870.12	838.63
General office, salaries and expenses	508.32	122.28	125.80	1,180.51	510.27
Undistributed expenses	645.39		18.80	125.30	169.49
Truck operation and maintenance	103.35			160.91	
Interest					521.39
Sinking fund and principal payments on debentures					1,904.81
Depreciation	1,759.00	561.00	383.00	1,230.00	1,183.00
Other reserves					3,600.00
Total operating costs and fixed charges	53,753.26	6,578.04	5,581.47	15,595.56	24,179.28
Net surplus	2,000.86	2,930.48	1,004.91	5,019.21	3,609.14
Net loss					
NUMBER OF CONSUMERS					
Domestic service	544	168	147	415	447
Commercial light service	87	28	33	96	116
Power service	20	2	4	16	18
Total	651	198	184	527	581

"B"

Hydro Municipalities for Year Ended December 31, 1944

Alvinston 648	Amherst-burg 2,709	Ancaster Twp.	Apple Hill P.V.	Arkona 368	Arnprior 4,027	Arthur 896
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
3,655.19	24,745.57	14,077.52	1,400.35	3,135.18	20,059.47	5,753.43
1,820.50	9,060.40	4,174.45	941.42	1,497.72	9,536.06	4,870.27
820.78	11,280.81	708.06	544.34	379.35	17,389.72	1,214.77
250.24	....	260.49	....	....	2,423.40	438.10
1,496.35	2,002.00	1,093.21	477.25	1,015.56	2,957.76	1,323.00
....	....	....	....	....	....	....
313.52	1,061.30	126.25	125.00	49.01	930.13	115.00
8,356.58	48,150.07	20,439.98	3,488.36	6,076.82	53,296.54	13,714.57
4,205.36	29,039.87	10,474.81	2,035.24	2,756.45	30,561.25	7,290.93
....	....	....	....	....	....	....
....	....	....	....	....	....	....
363.78	1,189.51	1,684.66	121.44	169.77	741.30	702.49
....	12.30	104.80	....	....	46.60	....
57.11	193.62	208.80	42.89	39.70	431.79	98.50
....	1,077.97	165.36	....	....	57.63	....
98.02	560.47	355.34	83.30	87.13	343.85	179.21
....	70.92	....	....	22.50	....	....
383.61	993.06	1,336.90	251.00	235.78	2,577.44	....
275.44	767.34	889.82	59.84	142.60	2,501.60	688.00
57.94	69.91	105.12	....	11.46	27.50	39.48
....	170.22	....	....	....	....	....
....	446.32	339.27	....	116.41	800.07	434.42
....	2,351.66	870.66	....	1,014.95	2,938.44	1,353.86
568.00	1,752.00	826.00	152.00	473.00	1,430.00	925.00
....	4,700.00	13.68	....	....	....	....
6,009.26	43,395.17	17,375.22	2,745.71	5,069.75	42,457.47	11,711.89
2,347.32	4,754.91	3,064.76	742.65	1,007.07	10,839.07	2,002.68
....	....	....	....	....	....	....
205	734	394	66	117	891	199
53	130	45	22	33	140	84
4	16	9	2	2	20	7
262	880	448	90	152	1,051	290

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM——Continued

Municipality	Athens	Aurora	Aylmer	Ayr	Baden
Population	641	2,914	2,474	693	P.V.
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	3,542.48	22,192.81	16,090.66	6,615.87	4,286.98
Commercial light service	1,599.40	6,136.13	10,256.71	2,053.36	2,034.80
Commercial power service	983.70	15,669.67	7,192.15	676.04	10,598.35
Municipal power	....	1,733.66	1,151.30	....	....
Street lighting	1,065.26	3,514.04	2,435.97	1,106.50	769.33
Merchandise	....	....	....	....	....
Miscellaneous	232.65	211.58	1,092.98	98.75	133.55
Total earnings	7,423.49	49,457.89	38,219.77	10,550.52	17,823.01
EXPENSES					
Power purchased	4,685.84	36,146.11	23,809.96	7,487.42	15,202.68
Substation operation	....	....	....	....	....
Substation maintenance	....	....	....	....	....
Distribution system, operation and maintenance	167.79	1,464.50	1,944.83	564.38	383.06
Line transformer maintenance	....	76.79	....	....	....
Meter maintenance	18.24	733.65	63.99	....	39.00
Consumers' premises expenses	....	24.86	453.16	....	....
Street lighting, operation and maintenance	15.64	267.78	527.96	173.33	82.00
Promotion of business	....	....	24.77	....	....
Billing and collecting	256.90	1,413.92	1,377.45	611.80	292.59
General office, salaries and expenses	76.99	677.18	1,308.61	158.06	206.99
Undistributed expenses	1.66	106.49	339.96	43.67	9.29
Truck operation and maintenance	....	696.59	220.91	....	....
Interest	276.52	14.93	336.11	117.39	....
Sinking fund and principal payments on debentures	896.35	....	1,261.11	598.02	....
Depreciation	400.00	1,785.00	2,316.00	510.00	633.00
Other reserves	....	....	2,024.16	....	....
Total operating costs and fixed charges	6,795.93	43,407.80	36,008.98	10,264.07	16,848.61
Net surplus	627.56	6,050.09	2,210.79	286.45	974.40
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	183	793	758	227	168
Commercial light service	45	113	148	44	31
Power service	1	19	15	4	3
Total	229	925	921	275	202

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1944

Barrie 10,339	Bath 293	Beachville P.V.	Beamsville 1,295	Beaverton 839	Beeton 514	Belle River 765
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
91,647.34	2,788.01	4,017.65	12,597.35	7,175.78	3,396.53	6,030.69
42,847.82	545.42	603.09	5,032.15	2,271.54	1,948.16	2,925.70
29,703.61	....	18,537.54	2,311.42	928.83	3,321.50	1,390.70
1,859.71	....	....	....	....	....	....
5,829.80	316.23	445.18	1,942.32	1,149.74	1,167.43	1,010.00
88.87	....	....	....	....	....	....
926.10	....	475.83	420.60	315.72	272.43	242.46
172,903.25	3,649.66	24,079.29	22,303.84	11,841.61	10,106.05	11,599.55
106,470.39	1,918.26	20,430.19	11,061.45	8,698.30	4,691.20	5,752.16
637.26	....	....	....	....	....	....
157.46	....	....	....	....	....	....
6,813.05	99.76	54.08	377.67	980.37	261.51	1,156.28
118.48	....	....	....	5.60	....	323.40
921.81	....	44.25	....	.65	105.15	177.83
348.64	....	....	57.05	....	....	21.00
941.00	18.00	88.20	203.82	115.43	154.02	183.85
43.50	....	....	....	....	....	....
7,178.45	160.25	340.34	786.13	790.67	168.34	854.66
3,316.78	141.00	186.38	409.80	504.98	136.61	471.79
516.45	....	5.90	5.81	28.46	....	55.42
645.86	....	....	....	....	....	....
275.48	239.98	....	58.43	....	217.50	....
1,747.71	387.62	....	1,593.44	....	764.54	....
10,939.88	296.00	553.00	1,068.00	1,042.00	551.00	705.00
14,795.94	....	....	....	....	1,500.00	....
155,868.14	3,260.87	21,702.34	15,621.60	12,166.46	8,549.87	9,701.39
17,035.11	388.79	2,376.95	6,682.24	....	1,556.18	1,898.16
....	....	....	....	324.85	....	....
2,471	64	167	399	331	148	314
414	9	22	70	62	33	46
60	....	4	6	8	4	2
2,945	73	193	475	401	185	362

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Belleville	Blenheim	Bloomfield	Blyth	Bolton
Population	14,969	1,765	581	632	591
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	106,108.78	9,788.19	3.504.85	3,785.02	4,957.64
Commercial light service	57.064.99	8,023.19	2,399.34	1,973.74	2,072.00
Commercial power service	55,034.88	6,065.40	1,266.36	921.39	2,817.34
Municipal power	3,958.08	1,707.56			140.04
Street lighting	10,202.18	2,405.70	749.85	1,382.60	992.87
Merchandise	2,477.00				
Miscellaneous	4,657.55	724.62	177.50	262.00	377.50
Total earnings	239,503.46	28,714.66	8,097.90	8,324.75	11,357.39
EXPENSES					
Power purchased	170,861.38	15,924.64	4,522.06	5,328.89	6,407.14
Substation operation	2,003.97				
Substation maintenance					
Distribution system, operation and maintenance	1,915.05	860.96	152.52	645.36	510.84
Line transformer maintenance	326.24	245.13			
Meter maintenance	568.23	228.52	44.12	28.36	96.30
Consumers' premises expenses	1,845.78	135.54		4.80	147.00
Street lighting, operation and maintenance	2,068.44	354.03	118.14	145.22	77.50
Promotion of business		101.38			
Billing and collecting	3,498.35	1,842.20	245.70	409.00	
General office, salaries and expenses	6,093.21	1,362.52	101.84	79.06	727.03
Undistributed expenses	1,825.37	54.99		47.36	23.19
Truck operation and maintenance					
Interest		111.87	146.89		29.64
Sinking fund and principal payments on debentures		905.20	434.30		588.42
Depreciation	10,929.00	2,580.00	421.00	407.00	473.00
Other reserves		2,000.00			
Total operating costs and fixed charges	201,935.02	26,706.98	6,186.57	7,095.05	9,080.06
Net surplus	37,568.44	2,007.68	1,911.33	1,229.70	2,277.33
Net loss					
NUMBER OF CONSUMERS					
Domestic service	3,939	560	181	184	172
Commercial light service	636	146	41	45	43
Power service	105	17	8	4	10
Total	4,680	723	230	233	225

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1944

Bothwell	Bowmanville	Bradford	Brampton	Brantford	Brantford Twp. V.A.
605	3,800	992	6,146	32,778	
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,639.30	33,841.77	7,100.78	50,124.01	199,643.13	36,185.92
2,017.87	10,705.24	4,087.28	19,361.35	83,520.33	4,845.37
749.56	67,888.38	3,256.50	20,992.80	346,256.83	6,802.61
140.04	....	420.74	2,470.38	10,518.25	....
1,090.50	3,644.38	1,028.46	6,297.51	30,233.19	4,013.36
2.40	....	....	69.22	....	....
605.30	3,059.79	270.28	962.18	10,048.97	59.06
7,244.97	119,139.56	16,164.04	100,277.45	680,220.70	51,906.32
4,388.87	73,028.51	7,455.34	67,234.38	526,233.18	31,910.38
....	94.91	....	....	8,506.81	....
....	....	....	229.73	2,328.04	....
107.93	2,655.66	1,078.19	2,654.98	10,069.47	2,058.79
....	51.12	142.75	178.67	850.09	407.47
196.69	705.67	272.70	677.99	6,200.80	566.59
....	259.04	....	1,588.35	5,068.22	15.20
150.07	478.21	270.48	1,432.70	3,804.39	1,036.26
....	124.74	....	....	181.00	....
335.01	3,004.37	538.82	3,112.95	8,441.93	2,382.96
177.06	2,857.31	444.47	2,279.59	11,625.86	3,150.08
1.67	433.26	285.58	241.40	6,503.26	384.19
....	....	224.03	609.14	2,279.19	1,182.47
42.96	....	419.46	....	1,075.00	....
323.29	....	1,277.20	....	6,250.00	....
456.00	3,207.00	832.00	4,234.00	26,330.00	3,859.00
....	....	1,500.00	7,500.00	....	....
6,179.55	86,899.80	14,741.02	91,973.88	625,747.24	46,953.39
1,065.42	32,239.76	1,423.02	8,303.57	54,473.46	4,952.93
....	....	....	....	....	....
185	1,234	291	1,627	8,337	1,476
51	157	71	248	1,236	69
7	27	12	51	210	5
243	1,418	374	1,926	9,783	1,550

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality Population	Brechin P.V.	Bridgeport P.V.	Brigden P.V.	Brighton 1,517	Brockville 10,463
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	1,456.03	5,664.97	2,435.25	12,029.66	67,556.49
Commercial light service	630.55	1,270.84	1,809.54	4,258.47	27,298.29
Commercial power service	811.86	306.12	1,067.46	6,774.56	53,197.25
Municipal power	....	....	....	....	6,914.10
Street lighting	476.00	876.00	794.88	1,944.12	8,828.50
Merchandise	....	....	....	....	42.13
Miscellaneous	15.00	177.66	239.15	345.00	5,630.69
Total earnings	3,389.44	8,295.59	6,346.28	25,351.81	169,467.45
EXPENSES					
Power purchased	2,135.71	4,042.49	3,374.15	12,499.17	125,411.61
Substation operation	....	....	....	....	6,026.64
Substation maintenance	....	....	....	....	1,265.76
Distribution system, operation and maintenance	183.80	257.88	265.01	1,882.82	4,087.35
Line transformer maintenance	....	....	....	90.49	432.62
Meter maintenance	....	....	3.81	268.82	2,302.28
Consumers' premises expenses	....	....	....	87.82	....
Street lighting, operation and maintenance	48.45	36.23	134.69	318.93	883.67
Promotion of business	....	....	1.50	....	....
Billing and collecting	....	503.44	344.02	966.59	3,143.32
General office, salaries and expenses	444.32	16.10	188.47	1,709.03	5,842.06
Undistributed expenses	....	7.34	1.62	255.80	1,623.93
Truck operation and maintenance	....	....	....	312.10	650.69
Interest	140.67	213.40	....	204.38	....
Sinking fund and principal payments on debentures	175.27	990.24	....	1,628.16	....
Depreciation	120.00	423.00	346.00	970.00	6,104.00
Other reserves	....	....	....	....	....
Total operating costs and fixed charges	3,248.22	6,490.12	4,659.27	21,194.11	157,773.93
Net surplus	141.22	1,805.47	1,687.01	4,157.70	11,693.52
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	53	178	125	563	3,101
Commercial light service	22	21	38	95	395
Power service	3	3	4	9	74
Total	78	202	167	667	3,570

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1944

Brussels 776	Burford P.V.	Burgessville P.V.	Caledonia 1,410	Campbellville P.V.	Cannington 731	Cardinal 1,633
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
4,834.81	5,902.33	1,914.97	7,326.01	1,340.64	5,895.77	9,048.58
3,353.83	1,833.73	568.30	5,057.91	515.77	2,155.75	2,263.75
1,093.74	1,326.96	257.80	2,633.50	385.51	2,640.76	322.42
....	....	....	....	....	....	....
1,197.00	622.80	312.00	1,846.11	382.00	1,132.71	932.00
....	....	....	....	....	55.45	....
403.79	344.43	87.18	301.04	145.21	143.89	188.75
10,883.17	10,030.25	3,140.25	17,164.57	2,769.13	12,024.33	12,755.50
5,599.89	5,820.12	1,577.65	9,262.76	1,701.21	6,722.02	8,482.85
....	....	....	....	....	....	....
....	....	....	....	....	....	....
597.14	351.62	67.09	1,006.89	....	465.24	899.73
....	....	....	11.07	....	....	....
40.46	10.60	4.65	234.40	....	310.58	87.42
....	....	....	485.93	....	....	....
146.36	96.07	48.78	358.58	42.19	106.72	105.63
....	....	....	9.00	....	....	....
....	406.75	....	1,443.07	....	511.51	497.41
703.42	306.13	202.32	1,619.23	137.83	472.21	259.65
52.09	12.37	....	140.98	....	....	22.09
....	....	....	349.00	....	....	....
....	....	....	....	....	42.89	326.96
....	....	....	....	....	782.77	855.41
570.00	403.00	198.00	1,033.00	105.00	677.00	588.00
....	1,000.00	....	....	....	....	....
7,709.36	8,406.66	2,098.49	15,953.91	1,986.23	10,090.94	12,125.15
3,173.81	1,623.59	1,041.76	1,210.66	782.90	1,933.39	630.35
....	....	....	....	....	....	....
256	235	64	452	50	262	394
69	39	17	100	11	64	53
5	5	2	12	1	8	2
330	279	83	564	62	334	449

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Carleton Place	Cayuga	Chatham	Chatsworth	Chesley
Population	3,865	651	17,241	356	1,601
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	23,075.81	4,131.20	101,076.14	2,537.25	10,685.21
Commercial light service	8,821.55	3,321.21	97,301.01	1,373.88	5,930.80
Commercial power service	27,963.63	1,000.90	92,249.88		6,582.25
Municipal power	1,464.27		7,711.29		918.85
Street lighting	4,806.52	1,416.98	18,594.23	533.00	2,006.72
Merchandise			3,375.86		75.89
Miscellaneous	1,684.85	198.63	5,773.83	76.25	175.00
Total earnings	67,816.63	10,068.92	326,082.24	4,520.38	26,374.72
EXPENSES					
Power purchased	49,050.14	4,819.84	180,964.12	3,198.17	17,523.62
Substation operation	94.16		9,425.21		
Substation maintenance			3,872.79		
Distribution system, operation and maintenance	1,170.34	559.55	11,481.55	54.11	757.19
Line transformer maintenance	87.56	72.16	905.40		22.84
Meter maintenance	983.84	57.01	6,217.47		111.76
Consumers' premises expenses	182.34		3,436.89		128.39
Street lighting, operation and maintenance	570.19	203.01	6,249.11	43.50	249.87
Promotion of business	28.11		3,034.33		
Billing and collecting	1,912.80	633.05	11,488.84		694.83
General office, salaries and expenses	3,875.82	512.56	18,102.01	315.26	669.32
Undistributed expenses	583.48	178.88	7,549.16	15.00	76.06
Truck operation and maintenance	648.53		2,591.32		40.92
Interest	734.46	88.12	4,881.64		
Sinking fund and principal payments on debentures	2,171.50	1,586.34	16,219.41		
Depreciation	3,003.00	591.00	22,637.00	236.00	1,074.00
Other reserves			12,000.00		2,500.00
Total operating costs and fixed charges	65,096.27	9,301.52	321,056.25	3,862.04	23,848.80
Net surplus	2,720.36	767.40	5,025.99	658.34	2,525.92
Net loss					
NUMBER OF CONSUMERS					
Domestic service	1,076	186	4,575	108	456
Commercial light service	174	68	848	29	90
Power service	18	7	109		21
Total	1,268	261	5,532	137	567

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1944

Chesterville	Chippawa	Clifford	Clinton	Cobden	Cobourg	Colborne
1,071	1,294	456	2,037	595	5,560	916
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
5,398.19	9,276.30	3,055.97	16,486.13	2,669.71	40,205.96	7,167.48
3,838.82	2,341.98	1,805.63	8,250.09	2,479.34	19,867.58	3,376.91
2,788.94	......	760.25	4,981.27	2,105.63	26,407.33	916.53
......	1,214.72	......	1,677.71	......	1,817.86	221.48
1,053.15	1,559.74	873.18	2,663.24	703.00	5,395.80	1,282.00
14.27	......	......	819.12	......	105.39	1,507.82
525.00	286.91	138.37	852.94	159.22	1,417.52	156.24
13,618.37	14,679.65	6,633.40	35,730.50	8,116.90	95,217.44	14,628.46
9,063.75	7,179.97	4,444.41	20,007.20	5,094.63	58,077.42	7,145.99
......	......	......	......	......	......	......
......	......	......	105.00	......	......	......
1,159.55	844.55	51.99	1,695.68	422.59	2,736.34	1,562.88
......	166.08	......	66.92	......	366.53	14.00
120.96	574.85	105.00	401.58	54.81	2,321.92	207.10
20.64	71.73	......	141.02	......	273.35	......
84.06	494.90	96.88	253.68	58.99	1,387.32	190.81
......	......	......	......	......	6.54	......
634.80	644.90	338.17	1,017.18	529.91	4,352.51	991.76
536.14	825.37	66.98	2,072.74	102.59	3,735.29	750.39
......	200.38	22.46	289.37	......	808.67	97.32
......	194.56	......	218.47	......	351.25	404.44
7.68	......	246.01	......	171.28	1,635.21	433.66
......	......	305.44	......	729.51	5,643.09	730.25
469.00	1,016.00	270.00	1,743.00	205.00	5,417.00	497.00
......	......	......	3,500.00	......	......	......
12,096.58	12,213.29	5,947.34	31,511.84	7,369.31	87,112.44	13,025.60
1,521.79	2,466.36	686.06	4,218.66	747.59	8,105.00	1,602.86
......	......	......	......	......	......	......
248	364	130	593	160	1,443	285
68	51	33	125	48	234	72
4	1	2	17	2	47	5
320	416	165	735	210	1,724	362

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Coldwater	Collingwood	Comber	Cookstown	Cottam
Population	549	6,324	P.V.	P.V.	P.V.
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	3,717.69	38,693.23	2,309.22	2,540.65	2,588.71
Commercial light service	1,674.08	14,492.72	1,721.01	1,244.28	1,320.09
Commercial power service	2,372.23	38,160.67	2,227.99	1,412.43	429.35
Municipal power		1,717.97			
Street lighting	759.00	3,713.75	663.00	782.00	433.20
Merchandise					
Miscellaneous	171.98	614.25	350.27	292.61	264.76
Total earnings	8,694.98	97,392.59	7,271.49	6,271.97	5,036.11
EXPENSES					
Power purchased	6,064.50	68,721.98	5,002.57	2,870.25	2,791.84
Substation operation		233.16			
Substation maintenance					
Distribution system, operation and maintenance	388.24	2,613.67	307.77	232.63	293.09
Line transformer maintenance		287.73			44.21
Meter maintenance	109.70	1,753.28	74.21	37.60	197.46
Consumers' premises expenses	7.00	12.58			
Street lighting, operation and maintenance	131.47	383.99	103.88	80.28	55.06
Promotion of business					3.75
Billing and collecting	684.10	2,497.53	218.88	308.65	489.72
General office, salaries and expenses	158.06	2,027.18	195.21	114.30	63.92
Undistributed expenses		565.50	7.61	1.69	18.73
Truck operation and maintenance		297.15			
Interest				161.98	111.76
Sinking fund and principal payments on debentures				565.50	641.37
Depreciation	566.00	3,823.00	421.00	459.00	343.00
Other reserves					
Total operating costs and fixed charges	8,109.07	83,216.75	6,331.13	4,831.88	5,053.91
Net surplus	585.91	14,175.84	940.36	1,440.09	
Net loss					17.80
NUMBER OF CONSUMERS					
Domestic service	159	1,650	120	119	131
Commercial light service	51	208	39	31	28
Power service	3	48	5	4	2
Total	213	1,906	164	154	161

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1944

Courtright 313	Creemore 628	Dashwood P.V.	Delaware P.V.	Delhi 2,093	Deseronto 1,052	Dorchester P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,609.21	3,661.31	2,281.79	2,230.08	13,060.92	9,333.20	3,179.71
701.18	1,894.33	1,469.83	670.99	9,928.39	3,677.87	951.04
....	1,386.77	1,325.96	....	6,862.37	1,204.83	627.06
974.64	....	....	....	....	876.73	....
597.28	607.20	460.38	257.72	2,409.68	1,662.00	740.00
....	....	....	....	....	....	....
216.75	167.50	220.88	69.70	1,069.34	213.66	214.24
4,099.06	7,717.11	5,758.84	3,228.49	33,330.70	16,968.29	5,712.05
1,766.78	5,338.98	3,574.37	2,032.83	15,445.34	7,873.15	3,279.78
....	....	....	....	....	....	....
....	....	....	....	....	....	....
178.92	190.74	242.68	20.99	1,229.65	1,289.91	143.38
....	....	....	....	96.65	8.40	....
....	111.46	7.21	....	899.21	47.60	....
....	....	....	....	207.33	....	....
32.40	90.00	15.00	33.63	173.36	401.40	47.41
....	....	....	....	38.25	24.65	....
186.75	229.88	240.25	265.89	1,946.26	1,005.33	182.02
14.30	60.88	87.06	43.80	1,669.88	1,089.08	77.72
5.95	....	....	....	373.44	200.57	....
....	....	....	....	180.60	440.27	....
2.93	....	35.49	17.77	2,734.55	....	26.39
....	....	199.24	248.30	3,423.32	....	254.19
191.00	357.00	210.00	218.00	1,740.00	572.00	324.18
....	75.00	....	....	1.500.00	....	500.00
2,379.03	6,453.94	4,611.30	2,881.21	31,657.84	12,952.36	4,835.07
1,720.03	1,263.17	1,147.54	347.28	1,672.86	4,015.93	876.98
....	....	....	....	....	....	....
91	176	102	71	609	395	157
20	48	28	14	155	70	29
1	3	3	....	9	8	1
112	227	133	85	773	473	187

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Drayton	Dresden	Drumbo	Dublin	Dundalk
Population	523	1,519	P.V.	P.V.	705
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	3,658.54	7,708.55	2,617.24	1,411.25	3,978.68
Commercial light service	2,088.85	5,990.49	1,009.76	1,084.22	3,078.57
Commercial power service	1,319.35	4,714.65	840.99	1,512.04	3,595.38
Municipal power	....	710.07	....	....	....
Street lighting	960.00	2,104.16	582.10	488.66	991.20
Merchandise	....	118.05	....	....	....
Miscellaneous	212.50	440.18	159.06	59.59	207.50
Total earnings	8,239.24	21,786.15	5,209.15	4,555.76	11,851.33
EXPENSES					
Power purchased	5,975.86	13,869.27	3,021.84	3,333.00	6,571.10
Substation operation	....	....	....	....	....
Substation maintenance	....	....	....	....	....
Distribution system, operation and maintenance	433.20	1,443.71	107.76	54.89	920.82
Line transformer maintenance	....	126.35	....	....	....
Meter maintenance	23.94	356.21	3.42	7.43	133.00
Consumers' premises expenses	....	423.12	....	....	....
Street lighting, operation and maintenance	100.94	281.64	62.94	60.44	272.22
Promotion of business	....	....	....	....	....
Billing and collecting	....	1,260.33	285.79	....	....
General office, salaries and expenses	478.92	891.98	74.30	318.93	854.16
Undistributed expenses	18.29	112.42	1.20	10.45	30.79
Truck operation and maintenance	....	201.34	....	....	....
Interest	145.81	....	13.96	....	....
Sinking fund and principal payments on debentures	546.68	....	278.77	....	....
Depreciation	508.00	1,037.00	280.00	277.00	437.00
Other reserves	....	....	....	....	1,300.00
Total operating costs and fixed charges	8,231.64	20,003.37	4,129.98	4,062.14	10,519.09
Net surplus	7.60	1,782.78	1,079.17	493.62	1,332.24
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	167	466	90	61	210
Commercial light service	62	121	28	27	66
Power service	5	16	1	2	6
Total	234	603	119	90	282

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1944

Dundas 5,257	Dunnville 4,137	Durham 1,937	Dutton 776	East York Twp.	Elmira 2,176	Elmvale P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
29,617.74	18,362.94	7,979.36	3,262.78	283,143.50	17,094.63	3,769.55
14,998.45	14,130.72	4,859.19	2,389.30	28,242.07	9,690.18	1,609.05
41,555.82	17,861.80	4,093.82	3,831.69	43,864.64	20,444.72	3,023.69
616.14	2,506.55	643.73	....	5,177.21	3,670.84	277.24
5,392.30	3,408.90	1,422.14	936.24	22,384.84	1,916.50	634.32
....	....	12.10	....	....	....	....
835.72	1,706.90	415.18	352.50	985.12	1,104.64	285.96
93,016.17	57,977.81	19,425.52	10,772.51	383,797.38	53,921.51	9,599.81
69,887.51	34,757.65	12,433.24	7,691.01	207,528.71	36,741.35	4,883.99
584.97	454.75	....	....	2,234.48	....	....
....	....	....	....	....	....	....
5,710.73	3,059.38	1,337.25	499.75	12,442.35	1,937.84	512.18
234.81	67.82	68.44	5.00	401.58	9.76	....
1,189.74	327.21	302.99	272.76	4,545.16	151.92	81.57
30.90	....	....	....	5,822.78	8.19	9.50
1,016.73	790.32	505.17	254.00	3,350.82	269.68	210.19
15.00	36.00	....	....	....	....	....
1,590.31	1,161.21	933.96	496.71	16,846.02	1,226.30	502.13
2,294.81	1,654.10	761.48	172.80	13,211.49	1,322.25	303.70
801.33	226.50	95.46	15.13	1,486.92	280.03	....
723.46	136.14	437.86	....	....	203.03	....
....	923.68	....	....	6,928.81	206.67	....
....	4,637.24	....	....	24,311.41	855.40	....
4,088.00	2,925.00	1,025.00	531.00	21,842.00	1,923.00	559.00
....	3,500.00	....	....	....	4,000.00	....
88,168.30	54,657.00	17,900.85	9,938.16	320,952.53	49,135.42	7,062.26
4,847.87	3,320.81	1,524.67	834.35	62,844.85	4,786.09	2,537.55
....	....	....	....	....	....	....
1,458	1,063	464	234	11,918	554	191
200	210	94	63	486	118	51
39	27	12	11	45	26	8
1,697	1,300	570	308	12,449	698	250

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Elmwood	Elora	Embro	Erieau	Erie Beach
Population	P.V.	1,167	385	234	22
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	1,305.33	8,478.73	4,087.04	4,506.73	1,470.45
Commercial light service	628.18	4,585.90	1,040.13	1,602.08	215.72
Commercial power service	1,269.73	4,693.41	1,049.04	2,631.40	....
Municipal power	....	....	....	....	....
Street lighting	335.24	1,254.34	591.40	474.00	....
Merchandise	....	....	....	....	....
Miscellaneous	119.96	575.59	78.03	2.20	45.00
Total earnings	3,658.44	19,587.97	6,845.64	9,216.41	1,731.17
EXPENSES					
Power purchased	2,960.41	13,196.98	4,510.70	5,220.27	768.79
Substation operation	....	....	....	....	....
Substation maintenance	....	....	....	....	....
Distribution system, operation and maintenance	19.12	1,423.99	201.20	297.07	32.46
Line transformer maintenance	....	30.65	....	22.14	11.66
Meter maintenance	58.45	136.18	10.09	184.85	72.01
Consumers' premises expenses	....	....	....	16.93	2.44
Street lighting, operation and maintenance	46.55	272.04	190.46	32.40	....
Promotion of business	....	44.90	....	....	....
Billing and collecting	....	942.30	368.48	465.67	102.81
General office, salaries and expenses	350.11	518.97	127.86	397.36	213.20
Undistributed expenses	....	230.49	....	1.64	.43
Truck operation and maintenance	....	159.61	....	....	....
Interest	....	....	....	12.05	46.63
Sinking fund and principal payments on debentures	....	....	....	....	241.54
Depreciation	202.00	981.00	420.00	366.00	126.00
Other reserves	....	....	....	....	....
Total operating costs and fixed charges	3,636.64	17,937.11	5,828.79	7,016.38	1,617.97
Net surplus	21.80	1,650.86	1,016.85	2,200.03	113.20
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	72	355	125	197	79
Commercial light service	19	66	25	14	3
Power service	1	3	2	4	....
Total	92	424	152	215	82

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1944

Essex 1,959	Etobicoke Twp. V.A.	Exeter 1,627	Fergus 2,883	Finch 393	Flesherton 414	Fonthill 957
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
9,518.17	226,208.65	16,321.84	21,113.76	2,580.32	2,117.81	6,857.39
8,991.62	27,464.19	8,297.27	9,055.91	1,711.37	1,625.53	2,007.88
7,076.05	40,879.71	4,575.33	19,603.18	199.12	785.03	295.62
1,408.86	7,492.63	600.20	716.15	.....	.....	193.74
2,184.08	13,148.26	2,590.18	2,265.74	474.96	591.50	1,197.08
.....	.....	513.79	.....	.....	.66	.....
1,003.10	589.24	697.78	787.50	204.50	261.02	95.18
30,181.88	315,782.68	33,596.39	53,542.24	5,170.27	5,381.55	10,646.89
15,949.16	205,270.12	22,420.80	34,980.46	3,834.85	2,537.36	5,109.88
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
1,248.17	11,821.43	1,282.96	3,171.24	159.26	404.88	1,080.19
20.00	1,360.80	21.57	376.94	.....	.....	58.33
385.55	1,537.24	126.46	727.41	42.01	133.15	215.82
4.40	9,280.90	238.93	7.70	3.85	.....	39.12
476.89	977.58	449.67	698.23	160.43	32.60	158.24
95.70	.....	.....	4.96	.....	.....	.....
1,276.84	11,813.19	1,183.33	1,314.75	249.37	.....	682.47
1,995.30	8,478.99	1,903.81	1,436.20	116.14	466.44	365.54
419.00	3,148.78	41.43	270.65	.....	.....	7.68
378.43	2,063.22	194.68	495.15	.....	.....	.....
689.05	2,907.39	.....	228.11	151.50	33.26	210.55
859.07	11,026.75	.....	1,835.68	483.40	324.52	1,425.25
1,637.00	18,264.00	1,379.00	2,370.83	383.00	305.00	753.00
2,350.00	.....	2,000.00	800.00	.....	.....	.....
27,784.56	287,950.39	31,242.64	48,718.31	5,583.81	4,237.21	10,106.07
2,397.32	27,832.29	2,353.75	4,823.93	.....	1,144.34	540.82
.....	.....	.....	.....	413.54	.....	.....
528	6,157	544	770	107	126	300
125	311	126	118	34	45	36
17	44	15	12	1	2	5
670	6,512	685	900	142	173	341

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Forest	Forest Hill	Galt	Georgetown
Population	1,565	12,954	15,025	2,498
EARNINGS	$ c.	$ c.	$ c.	$ c.
Domestic service	14,253.14	220,865.09	122,554.88	21,419.12
Commercial light service	7,522.16	25,429.82	61,016.59	7,761.43
Commercial power service	4,804.63	3,009.85	169,268.39	32,271.84
Municipal power	1,393.74	525.02	4,616.16	717.25
Street lighting	2,204.16	8,431.34	13,756.00	2,674.08
Merchandise	439.15		518.58	
Miscellaneous	927.84	7,003.92	2,664.46	889.41
Total earnings	31,544.82	265,265.04	374,395.06	65,733.13
EXPENSES				
Power purchased	19,121.51	154,548.29	270,157.47	52,690.34
Substation operation			6,130.31	
Substation maintenance	14.00	1,080.96	297.28	
Distribution system, operation and maintenance	2,036.98	5,859.17	3,807.48	1,462.69
Line transformer maintenance		71.70	337.53	285.25
Meter maintenance	244.20	2,333.58	2,525.19	1,726.82
Consumers' premises expenses	297.15	5,791.66	2,173.56	260.59
Street lighting, operation and maintenance	373.58	755.50	3,211.64	612.71
Promotion of business			114.86	
Billing and collecting	935.06	5,767.53	4,012.08	2,382.09
General office, salaries and expenses	954.93	7,185.75	9,875.59	1,441.42
Undistributed expenses	229.43	1,357.77	4,204.88	238.67
Truck operation and maintenance	163.29	918.07	518.68	701.23
Interest		10,125.69	27.60	
Sinking fund and principal payments on debentures		16,051.89		
Depreciation	2,250.00	15,310.00	21,824.00	2,929.00
Other reserves	3,000.00			
Total operating costs and fixed charges	29,620.13	227,157.56	329,218.15	64,730.81
Net surplus	1,924.69	38,107.48	45,176.91	1,002.32
Net loss				
NUMBER OF CONSUMERS				
Domestic service	510	3,537	4,296	833
Commercial light service	135	243	500	125
Power service	21	26	118	28
Total	666	3,806	4,914	986

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1944

Glencoe 793	Goderich 4,922	Grand Valley 608	Granton P.V.	Gravenhurst 2,063	Grimsby 1,998	Guelph 23,195
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
4,594.80	38,138.96	3,223.92	2,153.01	12,900.77	19,610.18	125,964.20
3,476.50	17,685.11	1,994.51	1,141.72	12,522.08	13,263.48	50,685.58
1,926.19	19,853.01	3,132.12	....	15,913.62	11,967.81	128,947.35
1,554.06	3,206.24	....	....	906.20	2,603.50	15,782.50
1,920.30	4,540.22	780.00	370.52	2,020.75	3,249.40	18,709.32
....	490.04	....	....	217.23	30.18	131.23
546.71	1,321.70	280.32	175.18	242.50	627.99	2,455.61
14,018.56	85,235.28	9,410.87	3,840.43	44,723.15	51,352.54	342,675.79
8,044.55	53,326.36	6,008.58	2,654.78	29,894.59	22,770.82	282,843.70
....	2,151.15	....	....	....	....	....
....	....	....	....	....	....	3,755.05
960.23	2,288.57	230.23	40.66	2,901.74	1,379.13	7,148.49
36.91	26.51	....	....	57.68	36.78	2,374.10
150.58	771.60	118.24	11.25	215.88	127.68	4,262.19
223.54	234.17	....	....	82.96	455.04	293.22
89.58	529.50	169.44	66.74	281.64	417.85	6,470.83
....	22.50	....	....	....	....	....
575.84	2,433.69	....	347.45	1,186.23	2,935.45	7,091.95
818.18	1,944.17	731.60	88.65	837.57	1,268.72	11,428.70
68.78	263.67	14.09	.85	547.37	37.89	2,845.19
....	295.86	....	....	178.15	....	....
....	1,076.80	....	28.04	....	1,186.18	....
....	1,904.16	....	226.23	....	3,099.87	....
906.00	5,088.00	557.00	204.00	2,101.00	1,879.00	22,822.00
500.00	6,000.00	....	....	3,200.00	....	....
12,374.19	78,356.71	7,829.18	3,668.65	41,484.81	35,594.41	351,335.42
1,644.37	6,878.57	1,581.69	171.78	3,238.34	15,758.13	....
....	....	....	....	....	....	8,659.63
230	1,361	184	85	593	655	5,703
73	251	48	26	99	121	799
11	21	7	....	16	16	141
314	1,633	239	111	708	792	6,643

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM——Continued

Municipality	Hagersville	Hamilton	Hanover	Harriston
Population	1,524	174,222	3,174	1,287
EARNINGS	$ c.	$ c.	$ c.	$ c.
Domestic service	8,398.18	1,038,995.07	23,582.23	8,300.48
Commercial light service	6,577.15	490,427.81	9,114.13	5,324.41
Commercial power service	18,190.51	2,888,604.83	20,980.89	6,068.82
Municipal power	....	92,841.85	296.38	386.08
Street lighting	2,006.28	120,640.34	2,066.08	1,401.75
Merchandise	....	....	36.40	431.40
Miscellaneous	1,349.47	112,317.27	1,807.03	335.47
Total earnings	36,521.59	4,743,827.17	57,883.14	22,248.41
EXPENSES				
Power purchased	25,098.76	*3,212,880.69	35,315.76	15,237.57
Substation operation	....	78,994.44	....	....
Substation maintenance	....	13,051.14	....	....
Distribution system, operation and maintenance	2,182.18	48,958.23	1,799.73	1.565.55
Line transformer maintenance	31.74	5,905.67	176.79	....
Meter maintenance	471.03	31,579.62	369.87	150.83
Consumers' premises expenses	5.68	40,362.94	98.76	....
Street lighting, operation and maintenance	348.46	20,670.16	244.43	243.26
Promotion of business	....	14,171.22	....	....
Billing and collecting	858.10	82,963.52	1,648.67	961.77
General office, salaries and expenses	661.28	59,257.36	1,407.16	349.95
Undistributed expenses	50.05	43,226.22	308.38	66.82
Truck operation and maintenance	187.00	....	372.62	50.73
Interest	....	33,001.76	....	140.14
Sinking fund and principal payments on debentures	....	226,766.50	....	471.54
Depreciation	1,003.00	175,856.34	5,007.50	904.00
Other reserves	2,500.00	325,000.00	1,500.00	....
Total operating costs and fixed charges	33,397.28	4,412,645.81	48,249.67	20,142.16
Net surplus	3,124.31	331,181.36	9,633.47	2,106.25
Net loss	....	....	....	....
NUMBER OF CONSUMERS				
Domestic service	406	43,700	850	378
Commercial light service	117	5,423	128	104
Power service	16	1,056	23	13
Total	539	50,179	1,001	495

*Includes 1944 power adjustment

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1944

Harrow 1,136	Hastings 719	Havelock 907	Hensall 659	Hespeler 3,023	Highgate 310	Holstein P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
12,412.55	4,239.10	4,632.02	4,917.71	18,760.43	1,776.36	1,171.87
5,434.38	2,326.70	2,082.07	2,284.18	5,799.47	816.53	424.40
4,528.09	196.58	1,895.05	2,945.27	55,386.67	1,295.62	306.11
....	....	....	....	1,096.54	30.31	....
1,195.92	1,148.50	1,290.00	996.00	2,726.35	514.80	345.00
116.79	....	....	....	....	....	....
168.25	281.89	666.52	407.10	1,273.68	170.60	121.25
23,855.98	8,192.77	10,565.66	11,550.26	85,043.14	4,604.22	2,368.63
17,841.94	4,391.00	6,406.09	6,853.28	67,157.92	3,220.35	909.74
....	....	....	....	....	....	....
....	....	....	....	....	....	....
1,262.38	612.88	774.50	585.82	3,215.13	57.91	65.36
20.25	....	70.15	....	49.00	....	....
134.41	55.08	45.48	622.04	254.75	....	....
261.28	....	....	....	88.28	....	....
312.95	121.51	169.41	144.88	317.98	33.48	72.00
4.00	....	....	....	....	....	....
1,139.62	488.56	653.69	429.68	1,111.21	314.00	....
157.94	291.82	315.23	331.53	1,301.38	138.83	190.77
5.09	21.82	....	49.66	769.34	25.20	....
....	....	88.56	....	227.16	....	....
....	613.74	....	102.00	602.21	....	....
....	1,145.03	....	586.05	1,822.25	....	....
1,332.00	770.00	765.00	601.00	3,692.00	335.00	111.00
....	....	....	....	....	....	....
22,471.86	8,511.44	9,288.11	10,305.94	80,608.61	4,124.77	1,348.87
1,384.12	....	1,277.55	1,244.32	4,434.53	479.45	1,019.76
....	318.67	....	....	....	....	....
350	238	295	210	825	107	63
83	49	52	54	88	31	11
9	3	2	14	30	5	2
442	290	349	278	943	143	76

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Humberstone	Huntsville	Ingersoll	Iroquois	Jarvis
Population	3,220	2,849	5,810	1,037	539
EARNINGS	$ c.	$ c.	$ c.	$ c	$ c.
Domestic service	12,712.47	15,691.35	35,342.02	6,338.27	3,472.06
Commercial light service	4,621.86	11,203.00	17,236.49	3,742.80	2,128.64
Commercial power service	6,628.35	13,841.63	48,988.47	634.79	3,595.89
Municipal power		1,386.24	1,644.69	1,097.70	
Street lighting	1,489.12	2,528.00	4,542.59	848.00	858.00
Merchandise		8.65	387.41	192.76	
Miscellaneous	932.21	297.22	427.90	199.31	425.30
Total earnings	26,384.01	44,956.09	108,569.57	13,053.63	10,479.89
EXPENSES					
Power purchased	14,417.32	36,315.46	85,598.93	6,448.56	6,341.70
Substation operation					
Substation maintenance			688.13		
Distribution system, operation and maintenance	1,175.06	1,536.43	3,763.12	532.09	16.92
Line transformer maintenance	19.40	66.51	34.60	87.36	80.05
Meter maintenance	489.15	624.83	1,085.25	113.52	26.45
Consumers' premises expenses		142.12	1,604.67		
Street lighting, operation and maintenance	319.20	741.87	802.80	214.92	21.85
Promotion of business					
Billing and collecting	1,142.18	1,511.23	2,815.46	726.89	533.91
General office, salaries and expenses	546.57	1,829.90	3,087.36	458.44	76.40
Undistributed expenses	34.28	1,189.36	333.82	92.11	2.71
Truck operation and maintenance	146.54	403.35	1,161.07		
Interest	120.00				
Sinking fund and principal payments on debentures	2,000.00				
Depreciation	1,400.00	1,158.00	5,321.00	476.00	390.00
Other reserves	2,000.00				
Total operating costs and fixed charges	23,809.70	45,519.06	106,296.21	9,149.89	7,489.99
Net surplus	2,574.31		2,273.36	3,903.74	2,989.90
Net loss		562.97			
NUMBER OF CONSUMERS					
Domestic service	738	744	1,568	279	163
Commercial light service	79	135	224	67	41
Power service	12	17	45	6	2
Total	829	896	1,837	352	206

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1944

Kemptville 1,140	Kincardine 2,134	Kingston 30,569	Kingsville 2,290	Kirkfield P.V.	Kitchener 35,745
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
8,789.71	15,634.72	223,097.46	15,210.03	922.40	253,378.52
5,551.89	8,215.04	141,534.95	9,234.02	918.79	129,995.40
3,797.97	11,835.61	156,489.27	5,108.98	....	411,412.18
....	1,566.72	14,300.69	1,067.26	....	37,968.39
1,682.31	3,765.04	20,703.24	2,572.97	345.60	31,486.90
96.60	....	....	....	....	....
1,113.22	662.84	8,611.62	1,542.54	50.31	6,476.05
21,031.70	41,679.97	564,737.23	34,735.80	2,237.10	870,717.44
11,597.85	24,834.45	321,916.14	18,435.35	1,037.32	640,337.83
....	429.95	7,237.59	....	....	11,413.67
....	....	3,251.79	....	....	5,277.55
1,331.69	1,491.89	9,841.33	3,267.65	144.34	19,853.13
60.72	103.84	1,316.95	31.21	....	3,022.16
210.62	992.29	4,771.77	377.75	....	11,179.89
....	....	2,241.64	78.35	....	4,304.21
138.00	1,184.76	4,156.94	660.63	79.50	9,905.04
....	55.15	175.37	36.98	....	69.47
1,098.95	1,468.01	9,047.28	2,186.69	....	14,817.83
540.13	826.81	16,036.86	1,689.35	172.78	16,054.43
142.04	327.79	8,901.78	515.46	....	882.87
180.09	....	3,537.70	191.86	....	....
337.05	....	888.81	1,170.44	....	4,982.85
....	....	2,915.00	1,282.06	....	31,969.83
883.00	2,051.00	39,826.00	1,814.00	206.00	52,196.00
....	3,700.00	57,907.97	1,500.00	....	....
16,520.14	37,465.94	493,970.92	33,237.78	1,689.94	826,266.76
4,511.56	4,214.03	70,766.31	1,498.02	547.16	44,450.68
....	....	....	....	....	....
393	741	7,867	641	37	8,718
80	123	1,036	160	18	1,115
6	17	171	23	....	285
479	881	9,074	824	55	10,118

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Lakefield	Lambeth	Lanark	Lancaster	La Salle
Population	1,314	P.V.	692	573	1,020
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	7,356.25	3,740.17	2,981.24	1,980.09	9,421.05
Commercial light service	5,041.01	1,033.46	1,654.36	1,140.85	1,171.21
Commercial power service	7,685.27	225.10	151.95	....	165.57
Municipal power	....	429.48	....	....	....
Street lighting	1,631.70	692.08	532.50	436.25	858.89
Merchandise	....	....	....	....	....
Miscellaneous	456.26	115.38	219.93	32.14	147.80
Total earnings	22,170.49	6,235.67	5,539.98	3.589.33	11,764.52
EXPENSES					
Power purchased	9,790.13	3,780.53	3,405.94	2,147.19	7,701.15
Substation operation	....	....	....	....	....
Substation maintenance	....	....	....	....	....
Distribution system, operation and maintenance	1,077.11	246.83	87.70	114.88	631.78
Line transformer maintenance	....	....	....	....	64.29
Meter maintenance	221.34	23.05	74.27	41.78	1.50
Consumers' premises expenses	....	....	....	....	71.03
Street lighting, operation and maintenance	163.44	80.87	70.37	27.89	31.66
Promotion of business	....	....	....	....	....
Billing and collecting	670.02	307.87	....	203.17	429.09
General office, salaries and expenses	941.86	53.07	478.24	143.65	184.93
Undistributed expenses	75.30	....	....	....	7.88
Truck operation and maintenance	210.40	....	....	....	....
Interest	914.54	....	....	....	....
Sinking fund and principal payments on debentures	1,650.82	....	....	....	....
Depreciation	966.00	368.00	463.00	386.00	818.00
Other reserves	....	500.00	....	....	....
Total operating costs and fixed charges	16,680.96	5,360.22	4,579.52	3,064.56	9,941.31
Net surplus	5,489.53	875.45	960.46	524.77	1,823.21
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	360	140	173	116	259
Commercial light service	71	24	35	29	14
Power service	10	3	1	....	2
Total	441	167	209	145	275

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1944

Leamington 5,619	Lindsay 7,783	Listowel 2,993	London 81,158	London Twp. V.A.	Long Branch 5,320	Lucan 607
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
30,395.21	50,464.77	18,388.32	618,624.59	16,897.05	38,575.88	4,455.64
17,319.81	30,115.68	11,625.93	211,223.50	1,895.47	6,640.12	2,214.67
22,749.98	58,876.83	19,067.53	470,488.74	1,846.65	11,279.53	1,392.68
2,043.24	3,022.34	978.16	105,686.79	....	2,262.78	....
5,386.33	6,105.46	4,230.00	52,825.66	1,004.25	4,376.97	1,365.96
....	....	74.65	1,877.14	....	....	....
1,969.27	2,595.21	922.83	33,588.57	....	957.90	343.50
79,863.84	151,180.29	55,287.42	1,494,314.99	21,643.42	64,093.18	9,772.45
54,287.72	91,670.58	44,371.28	945,105.70	14,701.33	32,367.38	5,617.18
388.79	....	....	13,305.42	....	....	....
....	....	629.64	25,800.64	....	....	....
999.69	2,789.60	1,920.22	14,712.70	468.37	3,011.20	147.04
294.37	985.25	513.38	6,102.79	....	98.59	....
476.77	1,268.55	316.16	15,828.28	32.02	503.61	24.53
40.14	1,433.74	20.45	6,928.19	409.70	506.42	130.22
1,036.79	1,890.44	780.89	9,805.97	541.80	495.98	263.13
278.64	....	....	2,419.30	....	....	....
3,015.65	3,987.73	1,192.31	27,161.24	773.07	3,367.57	490.95
3,401.95	7,414.58	1,066.04	35,080.36	466.72	2,649.56	409.83
791.56	1,824.96	147.10	32,381.37	4.85	929.62	82.18
328.86	815.02	341.30	1,188.49	....	....	....
....	1,992.24	....	7,307.28	180.09	213.92	45.37
....	8,173.38	....	11,220.79	363.09	1,463.54	442.52
3,196.00	6,162.00	2,679.00	86,365.07	809.00	3,298.00	810.00
6,000.00	....	....	100,166.55	....	6,000.00	....
74,536.93	130,408.07	53,977.77	1,340,880.14	18,750.04	54,905.39	8,462.95
5,326.91	20,772.22	1,309.65	153,434.85	2,893.38	9,187.79	1,309.50
....	....	....	....	....	....	....
1,688	2,289	801	19,859	494	1,564	186
283	334	161	1,878	16	106	49
33	68	25	455	5	10	6
2,004	2,691	987	22,192	515	1,680	241

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Lucknow	Lynden	Madoc	Markdale	Markham
Population	907	P.V.	1,106	771	1,162
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	6,175.57	3,092.43	5,686.42	3,713.79	8,943.49
Commercial light service	5,164.77	826.58	3,654.39	3,251.06	2,799.50
Commercial power service	11,465.67	781.42	1,678.44	2,314.04	2,893.79
Municipal power	492.12	....	....	184.49	319.47
Street lighting	1,284.31	414.18	1,115.00	859.00	1,293.50
Merchandise	....	....	....	.23	....
Miscellaneous	30.18	104.34	280.41	312.53	669.52
Total earnings	24,612.62	5,218.95	12,414.66	10,635.14	16,919.27
EXPENSES					
Power purchased	15,454.53	3,541.12	7,641.79	5,480.48	9,711.43
Substation operation	....	....	....	....	....
Substation maintenance	....	....	....	....	....
Distribution system, operation and maintenance	419.74	83.50	784.56	720.14	1,125.10
Line transformer maintenance	....	....	4.10	....	87.65
Meter maintenance	119.13	....	136.76	222.54	53.25
Consumers' premises expenses	....	23.06	....	....	....
Street lighting, operation and maintenance	164.92	60.85	288.49	46.58	165.93
Promotion of business	....	....	....	....	....
Billing and collecting	....	....	568.10	....	1,110.43
General office, salaries and expenses	1,578.51	256.25	553.59	848.67	20.08
Undistributed expenses	....	29.25	12.75	36.42	30.29
Truck operation and maintenance	....	....	....	....	....
Interest	....	31.41	....	71.92	....
Sinking fund and principal payments on debentures	....	277.87	....	581.92	....
Depreciation	1,008.00	243.00	550.00	560.00	1,172.00
Other reserves	3,000.00	....	....	1,000.00	....
Total operating costs and fixed charges	21,744.83	4,546.31	10,540.14	9,568.67	13,476.16
Net surplus	2,867.79	672.64	1,874.52	1,066.47	3,443.11
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	287	105	318	231	350
Commercial light service	88	17	88	71	62
Power service	9	2	5	9	9
Total	384	124	411	311	421

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1944

Marmora 933	Martintown P.V.	Maxville 802	Meaford 2,676	Merlin P.V.	Merritton 3,189	Midland 6,579
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
4,781.29	900.63	3,528.57	15,067.31	2,403.79	20,226.90	41,198.87
2,131.53	1,143.74	2,718.32	8,765.17	2,017.07	4,674.64	18,538.62
255.59	....	....	9,469.42	777.51	238,677.79	79,356.44
....	....	....	934.65	....	1,941.95	2,695.13
1,298.00	159.70	1,050.12	3,170.85	657.38	3,353.76	5,968.27
99.15	....	....	19.13	8.71	....	234.46
167.98	89.79	202.24	522.46	612.64	1,674.21	1,941.86
8,733.54	2,293.86	7,499.25	37,948.99	6,477.10	270,549.25	149,933.65
4,330.05	1,456.18	4,813.21	22,346.17	2,522.21	248,600.74	118,795.46
....	....	....	....	....	536.94	2,774.08
....	....	....	....	....	....	403.54
814.56	79.34	442.13	2,277.01	613.12	3,349.30	4,014.45
....	....	9.00	39.30	33.79	262.08	369.51
24.84	9.52	146.15	160.84	41.88	459.70	1,050.63
....	....	....	88.32	106.56	....	103.86
141.83	31.10	247.99	436.96	48.09	823.77	974.29
....	....	....	....	55.64	....	34.93
1,028.98	160.72	357.97	1,044.63	479.58	2,346.39	2,077.23
534.48	33.45	81.77	1,018.13	240.67	2,269.81	1,775.63
56.02	....	37.44	577.27	1.54	285.63	1,419.87
....	....	....	252.49	....	258.10	326.50
....	....	....	....	....	62.32	....
....	....	....	....	....	1,133.18	....
432.00	127.00	423.00	2,080.00	346.00	5,095.00	9,441.00
....	....	....	....	....	....	....
7,362.76	1,897.31	6,558.66	30,321.12	4,489.08	265,482.96	143,560.98
1,370.78	396.55	940.59	7,627.87	1,988.02	5,066.29	6,372.67
....	....	....	....	....	....	....
249	56	176	757	124	962	1,625
36	25	46	155	55	60	193
1	....	....	21	3	17	52
286	81	222	933	182	1,039	1,870

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Mildmay	Millbrook	Milton	Milverton	Mimico
Population	737	734	1,953	982	8,075
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	4,170.83	4,647.63	14.570.46	5,989.78	70,176.45
Commercial light service	2,828.24	1,899.06	7,385.62	4,136.60	11,380.58
Commercial power service	1,112.48	1,549.82	27,608.42	3,680.25	8,029.92
Municipal power	....	....	....	519.05	8,807.60
Street lighting	591.32	745.01	2,078.52	949.80	7,710.00
Merchandise	....	....	423.03	....	....
Miscellaneous	286.80	57.18	2,097.49	220.40	2,886.82
Total earnings	8,989.67	8,898.70	54,163.54	15,495.88	108,991.37
EXPENSES					
Power purchased	4,940.85	2,926.38	38,756.88	12,192.30	65,689.40
Substation operation	....	....	....	....	....
Substation maintenance	....	....	240.00	....	701.33
Distribution system, operation and maintenance	327.87	319.60	3,201.33	1,018.37	7,957.35
Line transformer maintenance	....	97.60	10.00	....	150.70
Meter maintenance	115.85	145.25	250.81	68.43	1,580.25
Consumers' premises expenses	....	....	61.19	10.20	2,421.60
Street lighting, operation and maintenance	123.42	166.18	339.31	179.87	1,422.43
Promotion of business	....	....	....	....	....
Billing and collecting	....	735.84	975.52	741.69	3,900.40
General office, salaries and expenses	430.45	702.36	1,233.11	380.60	3,197.96
Undistributed expenses	....	....	117.54	32.91	445.38
Truck operation and maintenance	....	....	325.75	....	452.73
Interest	346.53	101.15	39.04	....	....
Sinking fund and principal payments on debentures	698.25	477.19	....	....	....
Depreciation	365.00	240.00	1,816.00	990.00	5,021.00
Other reserves	....	....	3,000.00	....	6,000.00
Total operating costs and fixed charges	7,348.22	5,911.55	50,366.48	15,614.37	98,940.53
Net surplus	1,641.45	2,987.15	3,797.06	....	10,050.84
Net loss	....	....	....	118.49	....
NUMBER OF CONSUMERS					
Domestic service	184	182	555	263	2,306
Commercial light service	57	60	106	77	140
Power service	2	4	14	10	26
Total	243	246	675	350	2,472

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1944

Mitchell 1,588	Moorefield P.V.	Morrisburg 1,528	Mount Brydges P.V.	Mount Forest 1,787	Napanee 3,269	Neustadt 433
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
13,518.50	1,164.65	10,270.08	2,795.07	10,192.92	28,586.42	2,275.98
6,311.77	1,663.92	5,836.10	958.59	7,632.55	17,544.12	1,184.28
5,962.57	80.49	3,492.58	922.17	6,159.11	10,667.06	611.50
1,004.12	....	....	....	1,044.58	519.51	....
2,458.76	350.00	1,913.17	775.63	2,037.62	3,752.40	630.06
2,020.88	....	....	....	4.00	202.45	....
1,391.22	91.12	432.42	425.74	283.90	713.13	419.23
32,667.82	3,350.18	21,944.35	5,877.20	27,354.68	61,985.09	5,121.05
21,156.72	2,309.37	8,133.24	2,883.88	18,852.88	35,686.60	1,053.54
....	....	2,319.12	....	....	....	....
314.04	....	....	....	....	....	....
1,352.91	84.87	715.13	81.80	1,246.70	3,566.82	110.86
25.70	....	23.78	....	....	50.15	....
612.70	26.20	207.13	....	148.54	456.92	....
266.74	....	....	....	....	815.59	....
381.52	39.58	206.01	54.82	296.31	790.36	24.80
....	....	....	....	....	....	....
1,074.93	....	939.73	282.60	764.62	2,181.73	....
1,747.62	173.05	460.30	73.08	231.26	6,785.82	412.31
862.93	....	220.03	....	78.15	2,571.77	....
532.69	....	175.47	....	115.58	....	....
....	....	603.50	15.14	161.40	0.32	....
....	....	4,692.88	275.23	1,142.92	....	....
2,453.00	166.00	780.00	311.00	1,234.00	2,690.00	523.00
....	....	....	....	1,500.00	....	....
30,781.50	2,799.07	19,476.32	3,977.55	25,772.36	55,596.08	2,124.51
1,886.32	551.11	2,468.03	1,899.65	1,582.32	6,389.01	2,996.54
....	....	....	....	....	....	....
521	56	444	166	502	897	110
132	32	112	39	135	204	24
24	1	16	5	16	24	2
677	89	572	210	653	1,125	136

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Newbury	Newcastle	New Hamburg	New Toronto	Niagara Falls
Population	241	767	1,395	8,360	20,118
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	1,381.24	5,792.21	10,757.71	48,428.19	142,578.80
Commercial light service	455.19	2,084.61	4,659.26	18,625.71	62,576.95
Commercial power service	175.89	2,075.14	7,899.74	259,279.33	95,355.84
Municipal power	....	....	....	14,227.83	15,286.25
Street lighting	662.40	627.32	1,989.12	7,162.44	24,193.94
Merchandise	....	....	20.35	....	....
Miscellaneous	168.75	195.00	503.00	3,614.87	5,159.04
Total earnings	2,843.47	10,774.28	25,829.18	351,338.37	345,150.82
EXPENSES					
Power purchased	1,292.81	4,508.88	17,290.00	304,821.83	202,500.58
Substation operation	....	....	240.77	....	10,953.13
Substation maintenance	....	....	....	....	....
Distribution system, operation and maintenance	286.86	580.07	816.29	7,048.66	6,599.77
Line transformer maintenance	....	44.46	....	329.66	676.26
Meter maintenance	6.90	226.43	365.42	1,973.21	7,297.99
Consumers' premises expenses	....	....	49.38	111.82	2,489.44
Street lighting, operation and maintenance	57.96	102.89	212.31	1,378.33	3,674.65
Promotion of business	....	....	....	....	....
Billing and collecting	124.50	671.91	845.50	4,807.62	8,912.69
General office, salaries and expenses	101.27	403.12	1,075.92	8,440.79	12,367.01
Undistributed expenses	0.66	34.76	347.63	1,862.89	4,667.63
Truck operation and maintenance	....	....	163.36	392.60	3,262.67
Interest	....	....	....	....	3,209.03
Sinking fund and principal payments on debentures	....	....	....	....	17,825.89
Depreciation	276.00	574.00	1,153.00	5,212.00	20,881.00
Other reserves	....	....	1,500.00	7,000.00	....
Total operating costs and fixed charges	2,146.96	7,146.52	24,059.58	343,379.41	305,317.74
Net surplus	696.51	3,627.76	1,769.60	7,958.96	39,833.08
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	70	230	384	2,029	4,984
Commercial light service	18	29	101	217	729
Power service	1	7	12	36	111
Total	89	266	497	2,282	5,824

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1944

Niagara-on-the-Lake 1,884	NorthYork Twp. V.A.	Norwich 1,184	Norwood 694	Oil Springs 445	Omemee 464	Orangeville 2,386
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
18,327.47	247,930.37	9,765.08	5,466.21	1,962.89	3,461.76	17,172.79
7,034.21	32,926.16	4,309.38	2,434.57	1,321.09	926.61	9,872.26
5,202.49	180,910.13	1,577.76	1,394.97	5,707.93	3,325.36	6,765.67
1,227.86	6,892.36	496.45	....	....	....	963.27
3,504.14	5,495.40	2,063.17	1,490.25	565.42	986.04	2,399.64
471.21	....	655.23	....	36.90	....	....
310.52	737.50	349.36	650.96	469.10	181.86	640.72
36,077.90	474,891.92	19,216.43	11,436.96	10,063.33	8,881.63	37,814.35
19,180.21	256,342.05	11,802.96	4,641.45	5,547.36	5,531.61	26,037.75
351.92	490.16	....	....	....	....	....
....	....	....	....	....	....	....
2,686.93	13,338.71	1,576.62	301.69	261.48	486.89	1,195.94
198.06	726.49	....	....	75.16	....	56.23
646.14	5,451.15	190.35	21.10	95.31	130.64	369.49
605.11	1,352.25	20.66	....	38.56	....	124.00
863.38	1,495.27	183.83	169.38	66.25	179.06	398.42
9.00	....	....	....	....	....	58.04
1,338.97	11,543.97	831.02	465.73	578.26	....	1,628.58
2,195.36	9,929.87	940.62	328.95	143.24	524.82	668.59
170.45	5,732.12	152.90	26.36	2.26	37.02	98.77
741.73	5,830.21	126.35	84.66	....	....	....
786.68	9,454.51	....	806.76	....	....	....
1,213.77	25,718.42	....	1,599.25	....	....	....
3,025.00	22,917.00	715.00	922.00	717.00	653.00	1,850.00
....	....	....	....	1,200.00	....	....
34,012.71	370,322.18	16,540.31	9,367.33	8,724.88	7,543.04	32,485.81
2,065.19	104,569.74	2,676.12	2,069.63	1,338.45	1,338.59	5,328.54
....	....	....	....	....	....	....
623	7,019	391	242	104	173	746
103	341	95	58	34	29	150
11	55	9	4	33	5	27
737	7,415	495	304	171	207	923

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Orono	Oshawa	Ottawa	Otterville
Population	P.V.	26,843	158,581	P.V.
EARNINGS	$ c.	$ c.	$ c.	$ c.
Domestic service	4,731.10	248,450.99	667,126.27	2,743.03
Commercial light service	2,036.99	75,811.99	310,607.42	1,961.66
Commercial power service	165.84	331,361.98	67,789.49	684.45
Municipal power		10,258.16	24,591.11	
Street lighting	710.90	11,833.83	81,850.61	812.39
Merchandise				
Miscellaneous	67.56	11,633.05	12,373.41	148.27
Total earnings	7,712.39	689,350.00	1,164,338.31	6,349.80
EXPENSES				
Power purchased	3,684.83	480.513.83	621,854.25	3,117.39
Substation operation		113.28	33,350.85	
Substation maintenance		92.06	2,593.27	
Distribution system, operation and maintenance	129.47	10,449.36	24,016.41	279.89
Line transformer maintenance	5.00	108.16	1,787.37	
Meter maintenance	89.57	6,377.04	13,549.76	
Consumers' premises expenses	31.70	21,023.63	4,199.88	
Street lighting, operation and maintenance	81.62	2,143.26	35,537.47	90.27
Promotion of business		678.29	4,001.96	
Billing and collecting	579.15	14,495.75	53,957.32	365.70
General office, salaries and expenses	398.15	11,534.02	29,472.24	323.80
Undistributed expenses	20.33	6,315.72	21,391.18	6.38
Truck operation and maintenance			4,185.21	
Interest	164.62	2,268.73	17,411.19	
Sinking fund and principal payments on debentures		18,000.00	11,898.94	
Depreciation	218.00	16,701.00	118,306.00	418.00
Other reserves			52,808.25	
Total operating costs and fixed charges	5,402.44	590,814.13	1,050,321.55	4,601.43
Net surplus	2,309.95	98,535.87	114,016.76	1,748.37
Net loss				
NUMBER OF CONSUMERS				
Domestic service	183	6,765	15,658	143
Commercial light service	39	705	1,468	45
Power service	2	119	208	5
Total	224	7,589	17,334	193

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1944

Owen Sound 13,591	Paisley 615	Palmerston 1,342	Paris 4,608	Parkhill 882	Penetanguishene 3,843	Perth 4,154
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
71,768.02	4,151.74	11,483.77	26,659.36	6,056.50	14,948.16	28,613.25
45,959.32	2,334.73	4,801.00	9,205.58	3,369.83	9,066.62	15,631.03
80,236.81	921.80	7,354.22	25,235.25	1,382.34	19,715.78	16,183.36
....	....	1,501.70	979.75	553.17	2,144.66	1,062.93
9,967.40	1,068.40	2,365.93	5,248.00	1,458.80	2,097.50	2,768.84
531.24	....	18.68	....	....	84.25	2,780.65
216.85	220.40	274.85	1,107.04	217.65	491.64	3,467.66
208,679.64	8,697.07	27,800.15	68,434.98	13,038.29	48,548.61	70,507.72
163,931.08	4,754.33	19,510.92	46,079.29	8,163.84	26,899.65	46,834.06
4,899.74	....	....	838.36	....	76.12	394.52
....	....	....	....	....	....	....
4,357.58	464.06	636.72	3,001.37	530.69	3,147.83	1,607.45
936.79	....	332.29	373.00	....	127.37	183.43
2,096.21	10.90	254.23	903.43	42.52	522.00	765.28
19.37	....	462.98	224.44	126.73	3.27	81.11
1,428.21	141.12	466.26	1,765.05	99.43	274.08	345.70
63.40	....	....	....	....	....	11.25
5,310.16	....	969.54	2,310.38	542.93	1,712.39	2,259.85
6,576.91	777.54	741.74	1,545.07	105.12	1,474.87	3,895.79
3,528.85	....	96.41	628.20	2.93	138.89	628.75
1,097.60	....	119.08	704.86	18.65	412.62	518.88
....	....	....	....	....	....	1,810.41
....	....	....	....	....	....	3,453.28
6,283.00	431.00	1,894.00	4,567.00	1,080.00	2,631.00	3,338.00
....	1,000.00	....	100.00	....	5,500.00	....
200,528.90	7,578.95	25,484.17	63,040.45	10,712.84	42,920.09	66,127.76
8,150.74	1,118.12	2,315.98	5,394.53	2,325.45	5,628.52	4,379.96
....	....	....	....	....	....	....
3,663	202	400	1,215	315	773	1,110
544	50	95	192	81	103	192
103	3	13	25	7	21	30
4,310	255	508	1,432	403	897	1,332

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality Population	Peterborough 27,776	Petrolia 2,605	Picton 3,383	Plattsville P.V.	Point Edward 1,221
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	203,077.98	14,234.71	26,744.48	2,934.43	7,452.98
Commercial light service	90,726.73	7,754.31	15,519.65	2,156.56	2,910.17
Commercial power service	159,410.60	24,665.00	5,430.84	2,243.06	43,525.09
Municipal power	6,828.63		2,127.22		
Street lighting	21,000.45	2,655.36	3,698.45	381.93	1,685.14
Merchandise		44.10	3,446.99		56.91
Miscellaneous	14,820.91	1,453.85	1,403.72	217.10	672.10
Total earnings	495,865.30	50,807.33	58,371.35	7,933.08	56,302.39
EXPENSES					
Power purchased	293,450.48	28,999.53	37,014.70	4,374.36	51,870.26
Substation operation	7,459.50	139.70			
Substation maintenance	282.81				
Distribution system, operation and maintenance	12,710.25	2,989.33	1,333.97	104.66	276.56
Line transformer maintenance	1,242.76	172.93	141.10		2.07
Meter maintenance	6,597.98	934.91	263.75	136.22	152.79
Consumers' premises expenses	3,796.45	376.45	.75		
Street lighting, operation and maintenance	6,513.20	894.22	312.17	43.79	237.12
Promotion of business	253.49	63.64			
Billing and collecting	10,220.12	1,506.37	1,685.89	269.98	1,257.66
General office, salaries and expenses	7,200.57	2,285.01	2,941.20	49.05	1,131.24
Undistributed expenses	7,222.24	180.04	476.91	6.82	34.71
Truck operation and maintenance	1,565.60	254.88	198.42		
Interest	11,511.13	380.79		15.81	57.68
Sinking fund and principal payments on debentures	7,069.22	2,163.65		324.86	822.68
Depreciation	25,333.00	2,651.00	2,874.00	236.00	978.00
Other reserves	300.00		6,000.00		53.88
Total operating costs and fixed charges	402,728.80	43,992.45	53,242.86	5,561.55	56,874.65
Net surplus	93,136.50	6,814.88	5,128.49	2,371.53	
Net loss					572.26
NUMBER OF CONSUMERS					
Domestic service	6,702	825	1,336	118	349
Commercial light service	916	139	204	21	47
Power service	170	57	37	2	11
Total	7,788	1,021	1,577	141	407

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1944

Port Colborne 7,050	Port Credit 1,956	Port Dalhousie 1,747	Port Dover 1,818	Port Elgin 1,329	Port Hope 4,910	Port McNicoll 964
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
34,577.64	20,366.35	21,473.60	11,774.57	12,595.87	34,154.57	4,536.11
19,583.15	6,970.46	4,832.90	5,599.57	6,113.06	14,273.59	715.26
23,810.77	4,926.64	7,376.10	6,523.78	3,224.89	37,360.88	....
7,040.30	1,380.01	....	....	788.06	1,621.82	....
8,305.00	2,553.38	1,585.44	2,321.25	2,132.05	3,988.64	880.00
....	....	....	....	....	323.57	....
3,163.57	528.51	599.09	445.77	249.81	997.35	76.50
96,480.43	36,725.35	35,867.13	26,664.94	25,103.74	92,720.42	6,207.87
45,934.84	23,025.91	22,999.43	15,156.17	16,316.43	68,284.51	3,139.47
....	....	....	....	....	....	....
....	....	....	....	....	51.77	....
7,340.57	1,665.26	3,350.60	2,328.72	885.58	933.18	511.69
1,221.48	289.62	40.23	201.83	....	236.25	....
1,035.86	504.90	411.39	799.50	106.07	1,312.56	199.58
87.95	256.58	115.06	11.46	127.55	635.97	....
2,906.03	616.59	396.63	189.46	186.05	1,304.65	183.97
302.07	....	....	....	....	....	....
2,938.38	1,467.83	1,532.51	645.64	802.44	2,677.75	669.56
2,594.30	628.65	1,511.61	1,262.08	302.31	4,167.67	317.90
1,475.37	127.93	252.12	238.33	60.03	1,293.38	71.13
640.06	....	538.15	322.57	152.68	253.25	....
976.34	104.22	....	6.90	985.09	....	....
5,588.09	377.23	....	....	2,395.16	....	....
3,648.00	1,491.00	1,442.00	1,262.00	1,362.00	3,646.00	346.00
10,000.00	2,500.00	....	....	....	....	....
86,689.34	33,055.72	32,589.73	22,424.66	23,681.39	84,796.94	5,439.30
9,791.09	3,669.63	3,277.40	4,240.28	1,422.35	7,923.48	768.57
....	....	....	....	....	....	....
1,655	649	691	750	509	1,455	241
233	83	69	116	110	203	17
24	11	12	15	7	40	....
1,912	743	772	881	626	1,698	258

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality Population	Port Perry 1,216	Port Rowan 622	Port Stanley 919	Prescott 3,283	Preston 6,707
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	9,542.38	3,350.51	17,531.68	24,131.21	39,797.05
Commercial light service	3,575.94	2,428.52	4,446.11	11,016.29	20,543.02
Commercial power service	2,604.92	117.17	3,625.42	13,218.60	63,529.49
Municipal power	386.91		878.28	1,425.65	1,074.97
Street lighting	1,565.31	774.04	2,390.84	3,928.86	5,412.88
Merchandise					
Miscellaneous	255.00	227.50	648.90	193.51	1,127.27
Total earnings	17,930.46	6,897.74	29,521.23	53,914.12	131,484.68
EXPENSES					
Power purchased	11,053.57	3,521.73	19,482.49	38,944.87	98,358.74
Substation operation				1,581.80	4,420.56
Substation maintenance					138.70
Distribution system, operation and maintenance	645.40	105.65	2,630.88	3,837.86	2,089.40
Line transformer maintenance		2.50	25.50	234.85	86.66
Meter maintenance	79.05	161.12	387.23	270.33	497.29
Consumers' premises expenses			185.50	580.02	765.18
Street lighting, operation and maintenance	166.45	97.55	366.64	651.41	955.27
Promotion of business					
Billing and collecting	850.60	344.55	936.53	1,473.22	1,948.80
General office, salaries and expenses	491.76	60.50	933.79	2,587.29	2,919.09
Undistributed expenses		6.69	355.66	625.66	1,058.72
Truck operation and maintenance			460.02		499.24
Interest	274.72	199.99		105.41	433.22
Sinking fund and principal payments on debentures	1,418.98	759.04			1,140.54
Depreciation	776.00	324.00	1,210.00	2,542.00	7,241.00
Other reserves			1,000.00		
Total operating costs and fixed charges	15,756.53	5,583.32	27,974.24	53,434.72	122,552.41
Net surplus	2,173.93	1,314.42	1,546.99	479.40	8,932.27
Net loss					
NUMBER OF CONSUMERS					
Domestic service	381	171	825	815	1,689
Commercial light service	76	39	95	139	225
Power service	10	2	10	23	54
Total	467	212	930	977	1,968

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1944

Priceville P.V.	Princeton P.V.	Queenston P.V.	Richmond 437	Richmond Hill 1,423	Ridgetown 1,854	Ripley 361
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
649.48	2,960.46	3,353.23	2,671.23	11,567.43	9,506.01	3,516.55
159.84	875.05	1,701.08	1,268.29	4,105.14	7,508.40	2,025.45
152.04	2,595.72	....	....	2,354.91	6,532.84	1,608.24
....	....	....	....	487.56	973.23	....
491.64	435.42	389.34	390.00	1,209.00	2,948.96	882.00
....	....	....	....	....	149.87	....
66.88	177.07	198.06	....	225.41	1,084.56	28.07
1,519.88	7,043.72	5,641.71	4,329.52	19,949.45	28,703.87	8,060.31
357.61	4,995.38	2,974.33	3,057.06	11,764.97	18,565.67	3,742.32
....	....	....	....	....	....	....
....	....	....	....	....	....	....
55.77	143.20	370.10	140.20	617.20	1,185.49	74.42
....	....	26.33	....	23.46	6.33	....
....	....	15.05	22.81	237.62	267.85	54.39
....	....	133.35	....	348.96	207.57	....
52.57	75.39	19.74	82.86	169.44	790.40	101.35
....	....	....	....	....	....	....
....	176.15	327.42	217.77	1,084.47	1,564.89	....
97.68	38.47	219.56	46.37	335.63	1,181.76	574.84
....	1.80	19.09	....	4.47	296.64	....
....	....	....	....	....	1,017.87	....
....	10.84	28.31	138.12	....	96.17	327.89
....	220.09	89.83	423.47	....	678.95	724.73
186.00	194.00	307.00	312.00	846.00	1,307.00	673.00
....	....	....	....	....	1,000.00	....
749.63	5,855.32	4,530.11	4,440.66	15,432.22	28,166.59	6,272.94
770.25	1,188.40	1,111.60	....	4,517.23	537.28	1,787.37
....	....	....	111.14	....	....	....
38	98	81	85	414	599	129
9	21	17	22	72	136	49
2	3	....	....	15	19	1
49	122	98	107	501	754	179

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Riverside	Rockwood	Rodney	Rosseau	Russell
Population	5,525	P.V.	722	201	P.V.
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	44,426.15	4,377.39	3,470.29	2,340.45	3,218.17
Commercial light service	5,602.93	1,104.54	2,227.82	880.43	1,453.91
Commercial power service	4,543.71	35.29	2,050.31		
Municipal power	3,193.21				
Street lighting	3,637.47	745.30	1,124.62	979.16	848.00
Merchandise	212.84	6.96			
Miscellaneous	1,259.35	108.85	153.50	25.00	210.00
Total earnings	62,875.66	6,378.33	9,026.54	4,225.04	5,730.08
EXPENSES					
Power purchased	35,250.57	3,903.76	5,491.62	1,400.85	3,266.12
Substation operation	38.01				
Substation maintenance					
Distribution system, operation and maintenance	1,986.67	149.43	373.98	151.01	350.13
Line transformer maintenance	147.85		35.81		
Meter maintenance	719.43	49.75	11.64		65.09
Consumers' premises expenses	1,624.14				8.83
Street lighting, operation and maintenance	852.35	95.28	114.44	87.37	82.90
Promotion of business					
Billing and collecting	2,327.49		383.23	365.12	348.60
General office, salaries and expenses	3,795.34	663.99	525.54	143.35	92.50
Undistributed expenses	710.75	8.94	32.71		
Truck operation and maintenance	226.50				
Interest		64.82		500.52	84.96
Sinking fund and principal payments on debentures		135.78		632.88	751.83
Depreciation	5,227.00	401.00	672.00	367.00	242.00
Other reserves					
Total operating costs and fixed charges	52,906.10	5,472.75	7,640.97	3,648.10	5,292.96
Net surplus	9,969.56	905.58	1,385.57	576.94	437.12
Net loss					
NUMBER OF CONSUMERS					
Domestic service	1,559	174	239	58	119
Commercial light service	60	31	62	12	30
Power service	12	1	6		
Total	1,631	206	307	70	149

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1944

St. Catharines 32,559	St. Clair Beach *153	St. George P.V.	St. Jacobs P.V.	St. Marys 4,005	St. Thomas 17,773
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
200,564.45	3,219.21	3,681.51	4,450.13	29,586.65	142,387.96
95,108.16	1,815.29	1,413.44	1,927.20	10,832.66	51,641.64
482,642.17	228.91	3,140.04	5,274.54	24,125.53	66,561.49
....	....	....	....	2,512.66	5,505.19
26,753.96	....	438.74	460.65	4,551.50	14,328.19
27.66	....	....	....	51.07	....
5,918.65	259.45	334.01	302.81	645.52	4,774.97
811,015.05	5,522.86	9,007.74	12,415.33	72,305.59	285,199.44
624,896.44	3,286.73	5,696.75	9,163.39	48,147.32	191,855.09
10,703.60	....	....	....	2,227.91	9,596.40
....	....	....	....	352.73	692.15
22,558.13	191.06	137.61	74.40	3,385.30	7,586.54
2,098.90	6.70	....	170.70	60.25	710.36
7,223.03	50.11	459.49	30.90	794.95	1,347.43
1,642.49	61.41	....	....	927.24	9,398.01
5,340.38	....	120.95	34.51	891.93	1,804.63
535.07	....	....	....	43.20	2,039.55
18,924.90	345.30	413.42	476.09	1,703.03	8,331.46
10,426.78	297.70	175.29	261.19	3,065.72	10,300.93
8,470.65	1.45	8.79	20.34	1,364.30	6,528.52
2,189.37	....	....	....	390.88	....
1,225.00	....	11.18	....	648.90	....
3,500.00	....	401.65	....	1,357.79	....
17,733.00	321.00	455.00	503.00	4,220.00	20,115.00
4,000.00	....	1,000.00	....	1,400.00	5,000.00
741,467.74	4,561.46	8,880.13	10,734.52	70,981.45	275,306.07
69,547.31	961.40	127.61	1,680.81	1,324.14	9,893.37
....	....	....	....	....	....
8,742	102	154	141	1,076	4,718
1,055	7	31	31	172	613
213	1	2	9	38	82
10,010	110	187	181	1,286	5,413

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Sarnia	Scarborough Twp. V.A.	Seaforth	Shelburne	Simcoe
Population	17,840		1,711	1,044	6,224
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	118,017.87	138,392.01	12,167.45	5,940.46	29,081.52
Commercial light service	54,812.14	24,096.60	7,861.55	3,677.94	30,035.67
Commercial power service	203,965.13	24,961.11	13,603.00	2,966.92	30,328.28
Municipal power	4,557.34	16,025.12	766.91	310.30	2,895.94
Street lighting	18,157.31	14,250.98	2,134.50	793.35	4,936.83
Merchandise	1,107.53	....	90.37	6.81	....
Miscellaneous	13,140.56	2,430.54	213.03	418.25	3,338.10
Total earnings	413,757.88	220,156.36	36,836.81	14,114.03	100,616.34
EXPENSES					
Power purchased	286,941.96	121,154.46	27,282.30	8,676.25	70,433.61
Substation operation	11,855.51	....	....	....	357.68
Substation maintenance	416.43	348.65	116.82	....	....
Distribution system, operation and maintenance	5,797.73	7,760.94	755.34	211.97	4,143.96
Line transformer maintenance	1,693.31	1,579.06	435.30	103.04	824.18
Meter maintenance	7,247.16	4,040.34	285.77	295.30	1,314.59
Consumers' premises expenses	2,869.62	1,010.07	241.33	....	392.22
Street lighting, operation and maintenance	6,704.89	2,471.25	239.53	148.46	623.43
Promotion of business	478.96	....	....	....	24.20
Billing and collecting	10,741.81	7,025.50	876.63	699.55	2,990.52
General office, salaries and expenses	16,139.11	6,093.06	1,422.12	114.95	2,945.23
Undistributed expenses	7,372.54	1,899.40	121.76	8.24	264.41
Truck operation and maintenance	1,922.10	2,806.34	210.98	....	986.59
Interest	276.54	2,036.44	337.11	....	785.33
Sinking fund and principal payments on debentures	3,172.68	5,987.82	536.39	....	5,176.57
Depreciation	15,586.00	11,140.00	1,494.00	874.00	5,747.00
Other reserves	17,456.62	22,000.00	....	1,500.00	....
Total operating costs and fixed charges	396,672.97	197,353.33	34,355.38	12,631.76	97,009.52
Net surplus	17,084.91	22,803.03	2,481.43	1,482.27	3,606.82
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	5,403	5,950	524	314	1,678
Commercial light service	614	385	109	69	390
Power service	87	39	23	13	43
Total	6,104	6,374	656	396	2,111

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1944

Smiths Falls 7,468	Smithville P.V.	Southampton 1,597	Springfield 409	Stamford Twp.	Stayner 1,172	Stirling 939
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
52,773.05	4,159.56	11,874.86	2,292.67	79,218.97	6,070.89	6,501.59
16,712.70	2,874.01	5,821.07	755.59	12,914.30	3,642.11	3,474.20
29,158.77	2,647.87	8,096.12	883.59	15,275.05	2,931.92	1,284.07
899.27	....	1,008.15	....	2,600.65	91.36	270.20
7,043.39	1,153.10	2,170.44	521.50	7,929.99	1,080.00	1,548.12
....	....	....	....	783.75	....	179.78
4,082.20	351.47	66.99	151.24	1,943.41	204.45	465.76
110,669.38	11,186.01	29,037.63	4,604.59	120,666.12	14,020.73	13,723.72
74,092.88	4,662.83	18,040.25	2,489.51	55,442.84	8,835.53	7,043.61
584.79	....	....	....	755.22	....	....
909.33	....	....	....	....	....	256.58
4,086.67	929.14	1,166.30	23.90	8,319.92	806.01	508.83
111.33	3.60	24.49	....	961.74	....	....
973.05	51.58	92.78	....	2,658.32	132.95	60.00
719.02	....	....	....	3,277.64	4.90	3.44
619.13	162.76	396.72	50.49	1,964.82	56.00	289.22
159.60	....	....	....	166.97	....	....
4,478.36	709.50	1,034.56	410.39	4,151.64	883.58	589.67
3,187.02	166.88	567.13	172.15	5,217.44	381.90	1,328.22
1,753.75	35.49	158.14	1.06	2,225.33	36.12	93.70
605.73	200.00	219.23	....	2,975.91	....	432.44
....	251.60	411.95	73.67	2,627.46	....	....
....	796.37	1,881.89	303.95	8,606.50	....	....
5,030.00	691.00	1,442.00	460.00	10,286.00	824.00	1,085.00
....	....	....	....	10,000.00	....	....
97,310.66	8,660.75	25,435.44	3,985.12	119,637.75	11,960.99	11,690.71
13,358.72	2,525.26	3,602.19	619.47	1,028.37	2,059.74	2,033.01
....	....	....	....	....	....	....
2,012	185	567	133	2,497	341	293
213	53	89	22	154	87	69
37	5	12	3	19	15	9
2,262	243	668	158	2,670	443	371

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality Population	Stouffville 1,223	Stratford 16,993	Strathroy 3,060	Streetsville 704	Sunderland P.V.
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	8,280.58	146,317.69	23,580.58	5,771.38	3,106.89
Commercial light service	4,178.85	52,482.05	11,589.91	2,102.78	1,310.97
Commercial power service	1,328.44	60,305.72	15,975.62	3,915.09	390.37
Municipal power	....	10,431.32	1,770.85	....	....
Street lighting	1,301.70	16,218.86	4,136.80	1,251.50	645.60
Merchandise	....	504.38	104.33	....	....
Miscellaneous	683.31	11,438.76	1,035.00	787.01	68.75
Total earnings	15,772.88	297,698.78	58,193.09	13,827.76	5,522.58
EXPENSES					
Power purchased	8,123.32	193,877.11	38,876.99	5,999.14	3,320.85
Substation operation	....	6,827.16	787.40	1,241.45	....
Substation maintenance	....	3,957.85	....	....	....
Distribution system, operation and maintenance	676.55	8,254.39	1,693.87	634.92	298.22
Line transformer maintenance	....	746.16	64.34	41.63	....
Meter maintenance	8.00	3,308.83	766.61	69.65	8.01
Consumers' premises expenses	....	6,156.28	1,734.16	....	....
Street lighting, operation and maintenance	280.89	2,407.61	1,023.69	98.66	58.84
Promotion of business	....	1,470.06	10.20	....	....
Billing and collecting	752.00	8,345.48	1,237.89	941.31	493.87
General office, salaries and expenses	509.63	9,038.14	2,650.71	633.21	138.68
Undistributed expenses	48.70	3,762.40	854.63	47.58	....
Truck operation and maintenance	....	1,578.93	489.07	....	....
Interest	....	4,300.00	773.86	468.27	....
Sinking fund and principal payments on debentures	....	1,440.00	2,551.12	656.82	....
Depreciation	746.00	19,045.00	2,886.00	1,147.00	286.00
Other reserves	2,300.00	12,000.00	....	....	....
Total operating costs and fixed charges	13,445.09	286,515.40	56,400.54	11,979.64	4,604.47
Net surplus	2,327.79	11,183.38	1,792.55	1,848.12	918.11
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	408	4,561	876	208	140
Commercial light service	84	589	173	49	36
Power service	6	114	31	6	2
Total	498	5,264	1,080	263	178

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1944

Sutton 918	Swansee 7,033	Tara 478	Tavistock 1,042	Tecumseh 2,628	Teeswater 826	Thamesford P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
8,445.65	72,710.46	3,103.17	9,005.61	17,237.29	4,862.78	4,044.59
3,224.70	9,075.32	1,522.81	4,422.67	5,205.63	2,908.92	1,283.45
1,179.36	24,926.18	1,769.16	9,431.89	1,986.28	1,909.36	1,969.54
....	2,658.39	....	439.79	85.49	180.00	....
1,756.50	5,202.53	821.12	1,208.30	1,325.02	867.75	472.84
....	....	....	7.80	181.41	....	....
317.50	2,496.76	196.59	352.50	712.08	289.11	267.13
14,923.71	117,069.64	7,412.85	24,868.56	26,733.20	11,017.92	8,037.55
10,097.65	75,276.09	4,024.80	19,103.90	12,957.38	6,926.10	7,023.36
....	....	....	....	....	....	....
....	....	....	....	....	....	....
869.99	2,371.65	385.37	348.21	2,511.04	390.40	311.54
....	127.74	....	....	298.26	....	....
1.60	1,023.66	14.50	35.85	515.64	89.25	7.13
....	1,732.88	....	141.38	520.13	....	107.56
121.50	574.33	110.02	205.74	628.25	161.25	123.08
....	....	....	....	15.00	....	....
632.08	4,756.08	....	1,056.50	1,176.46	....	311.62
222.77	2,442.61	544.84	741.58	1,569.96	632.95	154.58
70.37	384.90	7.91	25.83	98.55	....	1.79
196.46	671.99	....	....	257.49	....	....
....	2,437.28	....	53.11	....	....	5.81
....	3,718.29	....	337.20	....	....	47.36
805.00	3,679.00	524.00	825.00	1,272.00	660.00	365.00
200.00	....	....	....	....	....	....
13,217.42	99,196.50	5,611.44	22,874.30	21,820.16	8,859.95	8,458.83
1,706.29	17,873.14	1,801.41	1,994.26	4,913.04	2,157.97	....
....	....	....	....	....	....	421.28
468	2,096	164	300	711	233	147
80	95	36	96	53	56	39
4	16	5	9	3	4	6
552	2,207	205	405	767	293	192

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Thamesville	Thedford	Thorndale	Thornton	Thorold
Population	789	557	P.V.	P.V.	5,374
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	3,752.44	3,409.88	1,845.41	1,403.67	23,384.61
Commercial light service	2,851.92	2,639.73	725.55	358.18	8,807.93
Commercial power service	1,768.69	2,249.94	1,099.83	336.77	46,455.39
Municipal power	188.10	....	....	....	2.410.16
Street lighting	1,148.33	1,115.00	384.00	500.00	3,555.40
Merchandise	....	....	....	....	....
Miscellaneous	526.62	342.29	101.75	63.75	2,236.37
Total earnings	10,236.10	9,756.84	4,156.54	2,662.37	86,849.86
EXPENSES					
Power purchased	5,924.11	5,470.14	3,551.86	1,301.73	68,372.51
Substation operation	....	....	....	....	3,443.28
Substation maintenance	....	....	....	....	....
Distribution system, operation and maintenance	417.75	338.91	126.09	139.98	2,028.97
Line transformer maintenance	....	14.53	....	....	4.77
Meter maintenance	343.83	43.80	....	....	460.53
Consumers' premises expenses	....	....	1.58	....	158.45
Street lighting, operation and maintenance	97.20	141.40	46.87	65.66	995.58
Promotion of business	....	....	....	....	....
Billing and collecting	382.19	329.53	166.25	....	2,275.06
General office, salaries and expenses	339.87	144.95	94.58	162.17	1,107.01
Undistributed expenses	2.67	7.09	....	....	256.10
Truck operation and maintenance	....	....	....	....	654.27
Interest	....	....	13.98	....	....
Sinking fund and principal payments on debentures	....	....	148.90	....	....
Depreciation	652.00	611.00	241.00	292.00	2,366.00
Other reserves	....	....	....	....	....
Total operating costs and fixed charges	8,159.62	7,101.35	4,391.11	1,961.54	82,122.53
Net surplus	2,076.48	2,655.49	....	700.83	4,727.33
Net loss	....	....	234.57	....	....
NUMBER OF CONSUMERS					
Domestic service	243	166	83	67	1,274
Commercial light service	68	53	21	11	158
Power service	6	2	2	2	19
Total	317	221	106	80	1,451

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1944

Tilbury 1,982	Tillsonburg 3,999	Toronto 674,285	Toronto Twp. V.A.	Tottenham 482	Trafalgar Twp. V.A. No. 1	Trafalgar Twp V.A. No. 2
c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
7,730.13	21,327.20	3,951,282.46	95,025.70	3,641.64	17,517.96	5,936.36
6,457.54	17,550.33	2,503,816.87	22,273.63	1,282.65	841.08	828.02
35,037.73	14,953.02	4,980,766.74	8,607.14	1,552.85	1,473.17	189.79
225.00	1,707.12	1,398,916.31	....	232.47	....	....
1,606.67	4,749.59	370,576.10	5,407.48	798.96	....	....
....	307.81	....	....	....	....	....
1,048.09	542.64	362,380.71	3,196.60	73.56	619.63	209.35
52,105.16	61,137.71	13,567,739.19	134,510.55	7,582.13	20,451.84	7,163.52
41,040.12	38,777.16	*7,308,446.49	85,627.11	3,908.12	11,657.26	4,681.94
....	1,360.93	227,412.15	....	....	....	....
....	....	314,351.03	....	....	....	....
922.64	2,830.14	403,320.13	5,956.24	357.45	1,854.74	474.08
43.63	56.58	58,884.14	687.52	....	113.83	4.60
458.09	816.70	120,731.94	1,088.18	268.20	195.85	11.30
11.85	....	258,826.86	110.29	....	....	....
279.22	440.58	124,160.46	575.51	161.72	....	....
....	....	110,663.82	....	....	....	....
785.23	2,593.46	451,603.37	8,063.26	465.00	1,326.61	....
1,069.12	4,887.54	377,789.65	9,400.22	251.44	403.42	737.72
236.70	220.88	219,446.23	522.89	....	419.10	10.69
336.40	323.83	....	1,767.98	....	477.43	....
43.72	358.07	483,365.05	667.68	115.44	37.20	346.76
685.37	377.75	826,502.24	1,438.11	675.64	....	910.32
1,173.00	4,313.00	1,146,543.81	8,723.00	404.00	1,122.00	538.00
2,500.00	2,000.00	....	....	....	....	....
49,585.09	59,356.62	12,432,047.37	124,627.99	6,607.01	17,607.44	7,715.41
2,520.07	1,781.09	1,135,691.82	9,882.56	975.12	2,844.40	....
....	....	....	....	....	....	551.89
502	1,243	154,302	3,065	161	403	170
120	253	23,438	187	39	6	20
15	36	5,177	43	8	9	2
637	1,532	182,917	3,295	208	418	192

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*Includes 1944 Power Adjustment.

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Trenton	Tweed	Uxbridge	Victoria Harbour	Walkerton
Population	9,387	1,250	1,425	937	2,619
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	48,078.98	6,851.18	10,091.82	3,878.16	20,003 48
Commercial light service	22,779.98	4,351.24	3,982.38	936.29	11,279.54
Commercial power service	86,760.87	4,259.63	1,484.56	....	9,907.18
Municipal power	4,823.22	373.28	490.09	102.00	526.18
Street lighting	8,312.65	1,740.66	1,634.16	535.00	2,806.82
Merchandise	35.72	148.22	35.51	....	420.88
Miscellaneous	2,558.68	366.36	127.50	86.50	325.90
Total earnings	173,350.10	18,090.57	17,846.02	5,537.95	45,269.98
EXPENSES					
Power purchased	113,457.20	9,579.68	12,493.15	2,582.10	26,865.10
Substation operation	....	....	....	....	....
Substation maintenance	102.62	....	....	....	....
Distribution system, operation and maintenance	1,943.56	422.00	524.98	206.68	1,520.34
Line transformer maintenance	565.68	....	....	....	112.32
Meter maintenance	3,035.89	260.97	35.18	99.65	308.86
Consumers' premises expenses	1,224.79	....	36.82	....	72.02
Street lighting, operation and maintenance	870.01	204.32	156.95	148.82	224.28
Promotion of business	....	....	....	....	....
Billing and collecting	3,968.49	832.30	747.64	716.53	1,203.73
General office, salaries and expenses	6,378.72	384.17	573.41	364.69	1,504.27
Undistributed expenses	2,310.69	11.19	12.06	....	242.32
Truck operation and maintenance	735.44	....	....	....	183.11
Interest	270.81	53.92	....	....	1,641.93
Sinking fund and principal payments on debentures	8,656.12	1,797.27	....	....	3,421.61
Depreciation	7,380.00	763.00	619.00	402.00	2.086.00
Other reserves	11,000.00	....	1,300.00	....	....
Total operating costs and fixed charges	161,900.02	14,308.82	16,499.19	4,520.47	39,385.89
Net surplus	11,450.08	3,781.75	1,346.83	1,017.48	5,884.09
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	1,833	321	423	271	687
Commercial light service	270	79	97	28	132
Power service	55	14	11	1	21
Total	2,158	414	531	300	840

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1944

Wallaceburg 4,970	Wardsville 227	Warkworth P.V.	Waterdown 808	Waterford 1,300	Waterloo 9,349	Watford 1,038
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
25,021.55	1,658.93	2,319.06	6,449.72	7,573.66	72,632.95	8,399.74
15,352.28	799.14	1,315.57	1,627.85	3,634.84	25,083.15	3,985.69
107,401.96	48.06	85.32	1,282.59	4,941.02	70,616.32	5,531.94
3,114.24	....	....	111.52	313.03	3,192.05	331.99
4,699.94	621.00	577.68	1,092.50	1,461.90	7,406.28	1,494.04
2,256.26	....	....	....	....	....	....
2,568.52	102.41	182.25	290.78	398.36	3,144.71	501.17
160,414.75	3,229.54	4,479.88	10,854.96	18,322.81	182,075.46	20,244.57
119,342.71	1,409.91	2,537.07	6,371.14	12,133.21	138,766.45	12,130.91
465.65	....	....	....	....	1.706.32	....
....	....	....	....	....	1,982.94	....
4,434.24	11.43	180.71	1,420.19	1,127.35	4,807.18	1,218.38
175.12	....	....	54.03	95.37	1,113.42	8.94
1,363.44	77.51	36.81	132.81	247.15	1,584.94	131.08
....	....	....	....	17.01	816.18	247.86
948.36	47.59	22.00	227.67	264.77	1,620.59	199.09
145.00	....	....	....	5.63	49.76	....
2,432.07	104.90	185.20	694.23	599.06	4,459.49	640.37
4,880.19	72.54	37.36	190.63	311.23	2,883.89	524.43
951.46	....	....	41.28	64.63	379.77	42.33
1,442.78	....	....	....	302.00	516.05	265.15
462.68	....	378.16	....	....	....	....
5,018.42	....	420.98	....	....	....	....
4,169.00	221.00	202.00	1,029.00	838.00	8,500.00	771.00
7,000.00	....	....	....	1,000.00	....	....
153,231.12	1,944.88	4,000.29	10,160.98	17,005.41	169,186.98	16,179.54
7,183.63	1,284.66	479.59	693.98	1,317.40	12,888.48	4,065.03
....	....	....	....	....	....	....
1,387	65	135	280	397	2,306	312
231	17	39	33	78	253	78
46	1	1	7	14	74	8
1,664	83	175	320	489	2,633	398

STATEMENT

Detailed Operating Reports of Electrical Departments of

OUTHERN ONTARIO SYSTEM—Continued

Municipality	Waubaushene	Welland	Wellesley	Wellington
Population	P.V.	14,899	P.V.	1,076
EARNINGS	$ c.	$ c.	$ c.	$ c.
Domestic service	3,501.31	60,517.43	2,661.27	6,945.41
Commercial light service	746.18	36,810.61	1,434.77	3,290.44
Commercial power service	109.30	206,860.02	1,088.52	2,196.45
Municipal power	151.44	2,198.20	....	....
Street lighting	659.33	11,877.80	600.70	1,144.52
Merchandise	....	....	....	....
Miscellaneous	....	9,146.25	209.98	347.50
Total earnings	5,167.56	327,410.31	5,995.24	13,924.32
EXPENSES				
Power purchased	3,075.51	233,860.49	3,322.86	7,144.64
Substation operation	....	8,092.39	....	....
Substation maintenance	....	1,732.88	....	....
Distribution system, operation and maintenance	109.62	4,351.86	118.90	724.67
Line transformer maintenance	....	2,245.68	20.50	....
Meter maintenance	112.05	4,616.13	2.00	....
Consumers' premises expenses	....	2,647.23	....	3.55
Street lighting, operation and maintenance	91.82	3,899.04	54.79	132.85
Promotion of business	....	....	....	....
Billing and collecting	251.61	6,975.62	273.70	504.66
General office, salaries and expenses	324.65	7,817.74	239.83	268.48
Undistributed expenses	....	1,374.81	14.23	283.14
Truck operation and maintenance	....	1,208.27	....	....
Interest	1.71	1,577.17	....	135.49
Sinking fund and principal payments on debentures	....	6,394.52	....	558.93
Depreciation	489.00	11,850.00	295.00	675.00
Other reserves	....	....	....	....
Total operating costs and fixed charges	4,455.97	298,643.83	4,341.81	10,431.41
Net surplus	711.59	28,766.48	1,653.43	3,492.91
Net loss	....	....	....	....
NUMBER OF CONSUMERS				
Domestic service	235	3,264	137	343
Commercial light service	22	463	44	69
Power service	2	88	4	9
Total	259	3,815	185	421

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1944

West Lorne 785	Weston 6,165	Westport 636	Wheatley 718	Whitby 4,531	Wiarton 1,558	Williamsburg P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
3,811.12	62,467.36	4,046.96	3,867.29	32,663.16	7,942.52	1,643.64
3,421.53	12,390.64	2,655.03	3,465.08	12,771.55	7,439.23	1,747.18
4,661.71	73,359.06	....	2,501.93	18,509.52	2,289.94	143.18
....	1,021.42	....	561.79	1,926.94	1,606.49	....
917.70	7,433.08	1,017.50	1,521.98	4,689.75	2,014.32	247.32
....	....	6.73	....	....	....	....
261.87	72.45	235.48	452.37	1,223.87	658.36	716.00
13,073.93	156,744.01	7,961.70	12,370.44	71,784.79	21,950.86	4,497.32
7,855.44	112,839.18	4,597.17	7,809.99	36,562.08	12,268.10	2,513.10
....	....	....	....	616.02	....	....
....	686.64	....	....	....	....	....
280.32	7,101.42	348.59	610.35	3,909.72	1,266.04	137.29
....	633.15	....	11.90	203.57	25.50	....
7.42	442.56	53.65	100.00	967.90	296.86	66.54
44.65	1,474.16	....	81.63	294.44	....	23.45
89.85	1,623.01	107.09	270.74	1,065.03	458.48	73.68
....	....	....	40.15	....	....	....
835.44	1,867.78	718.22	522.72	2,925.89	848.73	488.21
286.40	3,114.13	340.92	274.66	2,285.67	665.64	120.80
3.33	652.64	29.44	32.81	677.58	277.85	....
....	792.71	....	....	978.41	180.65	....
....	109.05	437.44	....	464.69	1,066.56	....
....	1,982.94	817.88	....	2,556.29	1,934.51	....
595.00	7,605.00	326.00	565.00	4,401.00	1,151.00	200.00
....	....	....	51.98	....	....	....
9,997.85	140,924.37	7,776.40	10,371.93	57,908.29	20,439.92	3,623.07
3,076.08	15,819.64	185.30	1,998.51	13,876.50	1,510.94	874.25
....	....	....	....	....	....	....
227	1,700	149	237	1,054	437	86
54	179	49	73	161	106	32
8	33	....	6	27	17	1
289	1,912	198	316	1,242	560	119

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Winchester	Windermere	Windsor	Wingham	Woodbridge
Population	1,029	118	109,948	2,058	1,019
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	7,387.30	2,781.64	761,143.99	13,566.35	8,879.63
Commercial light service	4,162.99	1,129.41	400,489.52	8,586.66	1,928.44
Commercial power service	2,176.81	185.47	836,724.44	13,495.49	10,111.35
Municipal power	....	....	21,859.19	1,460.84	738.47
Street lighting	869.21	325.00	103,678.23	3,368.26	945.84
Merchandise	8.52	....	....	589.99	....
Miscellaneous	456.34	104.00	42,162.04	....	327.40
Total earnings	15,061.17	4,525.52	2,166,057.41	41,067.59	22,931.13
EXPENSES					
Power purchased	10,755.85	2,256.30	1,353,164.83	24,447.36	16,724.62
Substation operation	....	....	44,562.31	2,277.87	....
Substation maintenance	....	....	21,848.21	....	....
Distribution system, operation and maintenance	525.38	80.72	62,873.46	3,421.23	201.49
Line transformer maintenance	....	....	15,815.51	47.45	13.32
Meter maintenance	14.44	25.55	37,209.72	796.84	65.75
Consumers' premises expenses	....	....	50,378.99	4.20	239.51
Street lighting, operation and maintenance	96.45	45.45	58,175.78	286.40	91.95
Promotion of business	....	....	9,968.64	....	....
Billing and collecting	779.27	....	62,744.34	882.56	....
General office, salaries and expenses	291.32	259.25	52,290.70	1,351.44	835.24
Undistributed expenses	....	....	15,564.97	451.38	16.14
Truck operation and maintenance	....	....	14,186.73	330.10	....
Interest	42.49	364.43	22,378.20	1,355.84	75.27
Sinking fund and principal payments on debentures	729.86	681.56	72,876.08	1,917.70	525.45
Depreciation	565.00	461.00	157,693.00	2,515.00	701.00
Other reserves	....	....	....	....	1,700.00
Total operating costs and fixed charges	13,800.06	4,174.26	2,051,731.47	40,085.37	21,189.74
Net surplus	1,261.11	351.26	114,325.94	982.22	1,741.39
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	309	64	26,909	560	314
Commercial light service	86	13	3,267	145	48
Power service	3	1	506	25	7
Total	398	78	30,682	730	369

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1944

Woodstock 12,745	Woodville 415	Wyoming 494	York Twp.	Zurich P.V.	SOUTHERN ONTARIO SYSTEM SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
89,747.49	2.263.06	2,840.19	524,955.55	3,659.11	14,563,400.47
49,617.31	836.46	1,398 60	73,823.15	3,372.12	6,815,171.92
103,640.99	675.75	191.02	208,077.43	....	15,725,248.36
5,304.43	....	....	7,971.50	....	2,020,632.15
8,644.45	579.18	688.50	42,321.78	611.04	1,637,846.07
....	....	....	....	....	33,359.31
3,657.45	218.76	57.19	3,660.79	286.25	857,759.03
260,612.12	4,573.21	5,175.50	860,810.20	7,928.52	41,653,417.31
202,491.73	3,059.75	2,566.77	467,654.01	4,878.10	25,735,659.02
4,509.60	....	....	3,616.93	....	564,326.77
....	....	....	2,097.01	....	416,474.35
4,113.45	466.79	259.97	16,330 09	379.70	1,095,328.00
175.15	....	1.60	5,405.42	....	138,903.52
3,337.40	178.13	10.92	14,632.10	19.53	417,534.85
2,676.22	....	....	8,394.19	....	503,968.72
2,405.32	59.80	81.29	8,096.89	91.10	423,063.36
1,232.14	....	....	....	....	153,838.65
4,690.65	394.33	245.25	39,981.66	262.20	1,193,264.20
4,208.69	107.08	111.21	28,015.07	154.98	1,084,131.26
2,197.62	....	5.55	6,481.72	6.85	491,672.30
1,248.73	....	....	....	....	98,461.50
....	35.39	....	4,937.96	75.18	686,974.86
....	259.51	....	16,476.25	314.81	1,538,248.57
11,580.00	195.00	352.00	39,720.00	374.00	2,572,031.61
10,171.18	....	....	....	....	810,175.21
255,037.88	4,755.78	3,634.56	661,839.30	6,556.45	37,924,056.75
5,574.24	....	1,540.94	198,970.90	1,372.07	3,729,360.56
....	182.57	....	....	....	....
3,448	116	166	21,946	149	547,826
465	20	43	937	46	73,483
97	2	2	189	....	13,354
4,010	138	211	23,072	195	634,663

STATEMENT

Detailed Operating Reports of Electrical Departments of

THUNDER BAY SYSTEM

Municipality	Fort William	Nipigon Twp.	Port Arthur	THUNDER BAY SYSTEM SUMMARY
Population	29,061		24,424	
EARNINGS	$ c.	$ c.	$ c.	$ c.
Domestic service	265,368.79	5,307.18	162,057.23	432,733.20
Commercial light service	102,001.61	4,085.88	90,804.22	196,891.71
Commercial power service	75,536.85	642.00	324,927.16	401,106.01
Municipal power	36,264.36	434.38	35,388.38	72,087.12
Street lighting	20,562.36	775.00	27,849.48	49,186.84
Merchandise				
Miscellaneous	3,677.11	302.73	25,832.29	29,812.13
Total earnings	503,411.08	11,547.17	666,858.76	1,181,817.01
EXPENSES				
Power purchased	293,918.59	5,030.35	435,601.36	734,550.30
Substation operation	9,990.22		29,018.90	39,009.12
Substation maintenance	129.55		1,283.54	1,413.09
Distribution system, operation and maintenance	9,400.98	586.42	16,854.73	26,842.13
Line transformer maintenance	1,832.85	43.82	1,558.18	3,434.85
Meter maintenance	8,340.03	109.76	9,588.77	18,038.56
Consumers' premises expenses	8,318.63			8,318.63
Street lighting, operation and maintenance	7,544.22	172.65	5,490.20	13,207.07
Promotion of business	289.65		2,303.59	2,593.24
Billing and collecting	17,201.67		15,442.61	32,644.28
General office, salaries and expenses	15,657.54	809.72	12,691.42	29,158.68
Undistributed expenses	7,207.71	32.49	11,968.80	19,209.00
Truck operation and maintenance			1,445.05	1,445.05
Interest	13,875.00	49.37		13,924.37
Sinking fund and principal payments on debentures	5,254.84	822.48		6,077.32
Depreciation	21,583.00	836.00	31,834.00	54,253.00
Other reserves	1,000.00	1,000.00	3,500.00	5,500.00
Total operating costs and fixed charges	421,544.48	9,493.06	578,581.15	1,009,618.69
Net surplus	81,866.60	2,054.11	88,277.61	172,198.32
Net loss				
NUMBER OF CONSUMERS				
Domestic service	7,332	243	6,099	13,674
Commercial light service	1,061	54	907	2,022
Power service	119	5	113	237
Total	8,512	302	7,119	15,933

"B"—Concluded

Hydro Municipalities for Year Ended December 31, 1944

NORTHERN ONTARIO DISTRICTS

Capreol 1,663	North Bay 15,933	Sioux Lookout 1,734	Sudbury 34,020	NORTHERN ONTARIO DISTRICTS SUMMARY	ALL SYSTEMS GRAND SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
9,357.96	102,768.42	18,529.74	244,962.40	375,618.52	15,371,752.19
3,652.19	63,230.92	12,230.78	128,225.91	207,339.80	7,219,403.43
....	51,992.79	1,405.98	42,390.34	95,789.11	16,222,143.48
706.66	6,926.75	....	11,101.54	18,734.95	2,111,454.22
1,260.00	11,064.46	1,854.00	28,109.11	42,287.57	1,729,320.48
....	1,823.58	195.42	....	2,019.00	35,378.31
252.50	4,115.46	....	5,494.16	9,862.12	897,433.28
15,229.31	241,922.38	34,215.92	460,283.46	751,651.07	43,586,885.39
8,087.08	143,881.00	25,550.36	289,732.55	467,250.99	26,937,460.31
....	....	....	8,542.16	8,542.16	611,878.05
18.00	2,077.68	....	....	2,095.68	419,983.12
1,779.03	6,139.57	1,324.94	16,232.47	25,476.01	1,147,646.14
....	1,091.35	68.83	2,202.74	3,362.92	145,701.29
188.22	2,621.72	268.35	6,785.74	9,864.03	445,437.44
....	329.66	1.00	451.46	782.12	513,069.47
603.89	2,144.52	384.55	7,426.21	10,559.17	446,829.60
....	104.86	....	29.79	134.65	156,566.54
1,180.35	9,694.44	3,135.37	24,840.71	38,850.87	1,264,759.35
1,139.99	8,723.34	944.78	15,076.41	25,884.52	1,139,174.46
99.31	4,118.68	130.29	6,974.59	11,322.87	522,204.17
179.38	440.15	307.54	3,389.22	4,316.29	104,222.84
....	2,706.80	....	4,319.17	7,025.97	707,925.20
....	9,500.00	....	10,711.56	20,211.56	1,564,537.45
973.00	17,635.00	489.00	23,058.00	42,155.00	2,668,439.61
....	10,000.00	....	27,000.00	37,000.00	852,675.21
14,248.25	221,208.77	32,605.01	446,772.78	714,834.81	39,648,510.25
981.06	20,713.61	1,610.91	13,510.68	36,816.26	3,938,375.14
....	....	....	....	....	....
344	3,379	512	8,734	12,969	574,469
48	666	59	1,098	1,871	77,376
1	86	2	112	201	13,792
393	4,131	573	9,944	15,041	665,637

STATEMENT "C"

Street Lighting Installation in Hydro Municipalities

Due to restrictions and changes resulting from orders of the Dominion Power Controller and economies effected by municipal co-operative action, statistics relating to Street Lighting are not presented in this year's Annual Report

STATEMENT "D"

(pages 290 to 307)

Statistics relating to the Supply of Electrical Energy to Consumers
in Ontario Urban Municipalities Served by
The Hydro-Electric Power Commission
for the year 1944

STATEMENT "E"

(pages 308 to 325)

Cost of Power to Municipalities and Rates to Consumers for
Domestic Service—Commercial Light Service—Power Service
in Ontario Urban Municipalities Served by
The Hydro-Electric Power Commission
for the year 1944

STATEMENT "D"

Statistics Relating to the Supply of Electrical Energy to Consumers in Urban Municipalities Served by The Hydro-Electric Power Commission

Regarding the results of Hydro operation from the standpoint of the consumers, the following tabulation gives much useful and interesting information. For each main class of service in each urban municipal utility receiving power at cost from the Commission, Statement "D" lists the revenue, the consumption and the number of consumers, together with unit average costs and consumptions and other pertinent data.

The policy and practice of the Commission has been, and is, to make as widespread and beneficial a distribution of electrical energy as possible, and to extend to every community that can economically be reached by transmission lines, the benefit of electrical service. Even where, in certain localities, by reason of the distance from a source of supply or on account of the small quantity of power required by the municipality, the cost per horsepower to the municipality—and, consequently, the cost of service to the consumer—must unavoidably be higher than in more favourably situated communities, service has not been withheld when the consumers were able and willing to pay the cost.

The accompanying diagram summarizes graphically certain data of Statement "D" respecting the average cost to the consumer. It will be observed that the total amount of energy sold in municipalities where circumstances necessitate rates which result in the higher average costs to the consumer is relatively insignificant. With respect to power service, it should be noted that the statistics of Statement "D", and of the diagram, cover mainly retail power service supplied to the smaller industrial consumers. The average amount of power taken by the industrial consumers served by the municipalities is about 45 horsepower. The Commission serves certain large power consumers direct on behalf of the systems of municipalities.

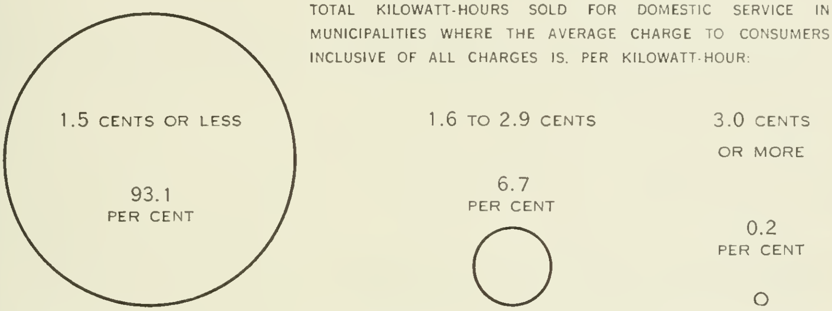
It should be kept in mind that the revenues reported in Statement "D", and used for purposes of calculating the net unit costs to the consumer, are the total revenues contributed by the consumers, and provide, in addition to the cost of power, sums specifically applicable to the retirement of capital, and also operating surplus which is in part applied to retirement of capital or extension of plant and is in part returned in cash to the consumers.

It should also be noted that average costs per kilowatt-hour or per horsepower if employed indiscriminately as a criterion by means of which to compare the rates or prices for electrical service in various municipalities, will give misleading results. The average cost per kilowatt-hour, as given in Statement "D" for respective classes of service in each municipality, are statistical results obtained by dividing the respective revenues by the aggregate kilowatt-hours sold. As such, the data reflect the combined influence of a number of factors, of which the rates or prices to consumers are but one factor. Owing to the varying influence of factors other than the rates, it is seldom found that in any two municipalities the average cost per kilowatt-hour to the consumers, even of the same classification, is in proportion to the respective rates for service. Instances even occur where for a class of consumers in one municipality, the average costs per kilowatt-hour are substantially lower than for the same class in another municipality, even though the rates are higher.

COST OF ELECTRICAL SERVICE TO CONSUMERS
IN MUNICIPALITIES SERVED BY
THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

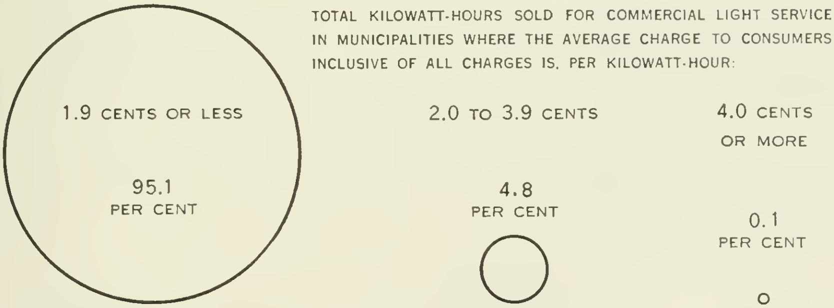
DOMESTIC SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR DOMESTIC SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR:



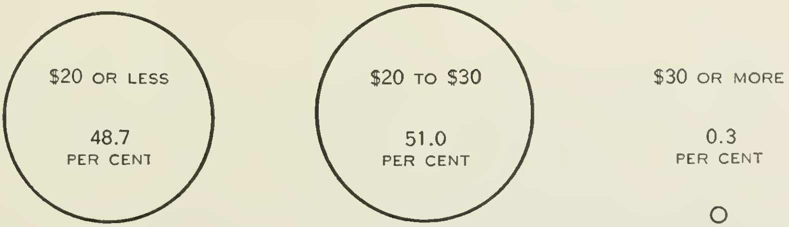
COMMERCIAL LIGHT SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR COMMERCIAL LIGHT SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR:



POWER SERVICE SUPPLIED BY MUNICIPALITIES

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE AGGREGATE HORSEPOWER SOLD FOR POWER SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER HORSEPOWER PER YEAR:



With respect to domestic service, for example, instances may be observed where two municipalities have identical prices or rates for domestic service, but the average cost per kilowatt-hour to the consumer varies by as much as 50 per cent or more. Such variations are due principally to differences in the extent of utilization of the service for the operation of electric ranges, water heaters and other appliances, an indication of which is afforded by the statistics of average monthly consumption.

In the case of power service, average unit costs are still less reliable as an indication of the relative rates for service in different municipalities. In the case of hydro-electric power supplied to industries at cost, the rate schedules incorporate charges both for demand and for energy consumption, and thus, although the quantity of power taken by a consumer—that is, the demand as measured in horsepower—is the most important factor affecting costs and revenues, it is not the only one. The number of hours the power is used in the month or year—which, in conjunction with the power, determines the energy consumption, as measured in kilowatt-hours—also affects the costs and revenues. Consequently, in two municipalities charging the same rates for power service, the average cost per horsepower to the consumer will vary in accordance with the consumers' average number of hours use of the power per month. A greater average energy consumption per horsepower increases the average cost per horsepower and decreases the average cost per kilowatt-hour to the consumer, and *vice versa*.*

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*In view of the fact that the data of Statement "D" have been misinterpreted in the making of certain comparisons as to the cost of electricity in various territories, it is desirable to add a word of caution respecting their significance. Essentially, the average cost or revenue per kilowatt-hour is *not a criterion of rates* even with similar forms of rate schedules and for the same class of service. Particularly is this true when revenues and consumptions of all classes of service and of all kinds of rate schedules, are indiscriminately lumped together in order to deduce a so-called "average cost or rate per kilowatt-hour" for all services.

In one community rates for each class of service, and the cost to every consumer in each class for any given service and consumption, may be substantially higher than in another community, and yet there may be in the former community a lower "average revenue per kilowatt-hour."

Example.—Assume sales of electrical energy by two electric utilities, A and B, in each case 10,000,000 kilowatt-hours.

Class of service	Case A Higher rates and lower revenues per kilowatt-hour			Case B Lower rates and higher revenues per kilowatt-hour		
	Energy sales	Rate per kw-hr.	Revenue	Energy sales	Rate per kw-hr.	Revenue
	kw-hr.	cents	$	kw-hr.	cents	$
Residence.........	1,000,000	4	40,000	3,000,000	3	90,000
Power............	9,000,000	1	90,000	7,000,000	0.75	52,500
Total...........	10,000,000	....	130,000	10,000,000	....	142,500
Average revenue.....	1.3 cents per kw-hr.			1.425 cents per kw-hr.		

It will be observed that in Case A *the rates* both for residence and for power service are 33 per cent *higher* than in Case B, but the *average revenue* per kilowatt-hour is nearly 9 per cent less.

In this instance, the explanation lies in the *relative quantities* of energy sold to each class. Service to large power consumers entails a smaller capital investment in distribution lines and equipment and lower operating costs per kilowatt-hour delivered, than does service to domestic and to commercial light consumers, and even where the rates for all classes of service are low, produces a smaller average revenue per kilowatt-hour. Consequently, if one electrical utility as compared with another sells a larger proportion of its energy for power purposes, its "average revenue per kilowatt-hour" may easily be lower than that of the other utility even though its rates for every class of service are substantially higher.

Although the derived statistics of Statement "D" are valueless as a means of comparing the *rates* in one municipality with those in another, they nevertheless fulfil a function in affording a general measure of the *economy of service* to consumers in the co-operating Ontario municipalities—an economy that has resulted primarily from the low rates themselves, and secondarily from the extensive use of the service that has been made possible by the low rates.

Actual bills rendered to typical consumers for similar service under closely comparable circumstances constitute the best basis for making comparisons. In researches respecting rates to consumers therefore the actual *rate schedules* of Statement "E" should be employed and not statistics of average revenues per kilowatt-hour, as these are valueless for rate comparisons —and particularly so when all classifications of service are combined.

In any consideration of the relative economies of electrical service in the various municipalities—whether based on the actual rates for service as set forth in Statement "E", or on the derived statistics resulting from the rates and other factors as presented in Statement "D"—full account should be taken respectively of the influence upon costs of such factors as the size of the municipality, the distance from the source of power, the features of the power developments, the sizes and concentrations of adjacent markets for electricity, and the sizes and characters of the loads supplied under the various classifications by the local electrical utility to the consumers.

In Statement "D" account has been taken of the sizes of municipalities by grouping them according to whether they are (i) cities—over 10,000 population; (ii) towns of 2,000 to 10,000 population; or (iii) small towns less than 2,000 population, villages, and suburban areas in townships (which are comparable in respect of conditions of supply to the smaller towns and villages). The populations are also given, and the situation of any municipality with respect to transmission lines and power supplies may be ascertained by consulting the maps at the end of the Report.

A feature of the electrical service in Ontario municipalities served by The Hydro-Electric Power Commission is the strikingly large average annual consumption per domestic consumer. Of the 90 cities and towns with populations of 2,000 or more—in which over 85 per cent of the domestic consumers of the undertaking are served—no less than 88 have an average annual consumption per domestic consumer in excess of 1,000 kilowatt-hours; of these, 68 have an average annual consumption per domestic consumer in excess of 1,500 kilowatt-hours, 39 in excess of 2,000 kilowatt-hours, and 10 in excess of 3,000 kilowatt-hours. In addition 111 smaller urban municipalities have an average annual consumption per domestic consumer exceeding 1,000 kilowatt-hours, including 26 in excess of 2,000 killowatt-hours.

The high average consumption for domestic service results essentially from the policy of the undertaking in providing service "at cost"; the rate schedules designed according to this principle automatically encourage liberal use of the service. Under the standard rate schedules employed by Ontario municipalities, follow-up rates of 0.8 to 1.2 cents (less 10 per cent) are in common use, and as a rule even where the higher initial rates per kilowatt-hour obtain, it is only necessary for the domestic consumer to reach a monthly charge of from $2.00 to $3.00 to obtain the benefit of a follow-up rate of 1.8 cents net or less. The cost of electric cooking is thus within reach of most of the domestic consumers in Ontario. Electric water heating is also encouraged by low flat rates for continuous heaters and by installation of equipment without capital cost to the consumer. In 1941, war conditions made necessary the suspension of new installations for water heating.

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers For Domestic Service, for Commercial Light Service

Group I—CITIES

Municipality	System	Population	Domestic service					
			Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			$ c.	kw-hr.		kw-hr.	$ c	cents
Belleville	S.O.	14,969	106,108.78	12,686,086	3,939	267	2.24	0.83
Brantford	S.O.	32,778	199,643.13	17,767,877	8,337	178	2.00	1.16
Chatham	S.O.	17,241	101,076.14	6,457,077	4,575	117	1.84	1.57
Fort William	T.B.	29,061	265,368.79	40,697,530	7,332	463	3.02	0.65
Galt	S.O.	15,025	122,554.88	9,953,485	4,296	193	2.38	1.23
Guelph	S.O.	23,195	125,964.20	11,462,585	5,703	167	1.84	1.10
Hamilton	S.O.	167,505	1,038,995.07	91,032,696	43,700	174	1.98	1.14
Kingston	S.O.	30,569	223,097.46	21,743,368	7,867	230	2.36	1.03
Kitchener	S.O.	35,745	253,378.52	22,600,881	8,718	216	2.42	1.12
London	S.O.	81,158	618,624.59	59,537,164	19,859	250	2.60	1.04
Niagara Falls	S.O.	20,118	142,578.80	13,823,089	4,984	231	2.38	1.03
North Bay	N.O.P.	15,933	102,768.42	7,432,493	3,379	183	2.54	1.38
Oshawa	S.O.	26,843	248,450.99	16,908,340	6,765	208	3.05	1.47
Ottawa	S.O.	158,581	667,126.27	79,255,435	15,658	421	3.55	0.84
Owen Sound	S.O.	13,591	71,768.02	5,695,313	3,663	130	1.63	1.26
Peterborough	S.O.	27,776	203,077.98	19,881,555	6,702	247	2.52	1.02
Port Arthur	T.B.	24,424	162,057.23	18,874,510	6,099	258	2.21	0.86
St. Catharines	S.O.	32,559	200,564.45	18,624,590	8,742	178	1.91	1.08
St. Thomas	S.O.	17,773	142,387.96	15,073,760	4,718	266	2.51	0.94
Sarnia	S.O.	17,840	118,017.87	8,521,032	5,403	131	1.82	1.39
Stratford	S.O.	16,993	146,317.69	12,029,033	4,561	220	2.67	1.22
Sudbury	N.O.P.	34,020	244,962.40	17,991,413	8,734	172	2.34	1.36
Toronto	S.O.	674,285	3,943,084.45	387,374,319	154,146	209	2.13	1.02
Toronto D.C. & 60 cycle*	......	....	8,198.01	308,100	156	164	4.36	2.66
Welland	S.O.	14,899	60,517.43	5,178,619	3,264	132	1.55	1.17
Windsor	S.O.	109,948	761,143.99	59,087,785	26,909	183	2.36	1.29
Woodstock	S.O.	12,745	89,747.49	8,279,470	3,448	200	2.17	1.08

* This—with the exception of a relatively small D.C. power load—is a special service not created by The Hydro-Electric Power Commission but acquired through the purchase of a privately owned company. It does not include street railway power.

GROUP II– TOWNS

Amherstburg	S.O.	2,709	24,745.57	2,006,579	734	228	2.81	1.23
Arnprior	S.O.	4,027	20,059.47	1,185,284	891	111	1.88	1.69
Aurora	S.O.	2,914	22,192.81	1,606,549	793	169	2.33	1.38
Aylmer	S.O.	2,474	16,090.66	1,320,380	758	145	1.77	1.22
Barrie	S.O.	10,339	91,647.34	7,478,160	2,471	252	3.09	1.23
Bowmanville	S.O.	3,800	33,841.77	2,230,915	1,234	150	2.28	1.52
Brampton	S.O.	6,146	50,124.01	4,333,341	1,627	222	2.57	1.16
Brockville	S.O.	10,463	67,556.49	6,246,487	3,101	168	1.81	1.08
Carleton Place	S.O.	3,865	23,075.81	1,614,299	1,076	124	1.77	1.43
Clinton	S.O.	2,037	16,486.13	1,107,615	593	156	2.32	1.49
Cobourg	S.O.	5,560	40,205.96	2,513,661	1,443	145	2.32	1.60
Collingwood	S.O.	6,324	38,693.23	2,427,682	1,650	123	1.95	1.59
Delhi	S.O.	2,093	13,060.92	703,520	609	96	1.79	1.87
Dundas	S.O.	5,257	29,617.74	2,028,265	1,458	116	1.69	1.46
Dunnville	S.O.	4,137	18,362.94	1,067,818	1,063	84	1.44	1.72

“D”

in Ontario Municipalities Served by the Commission
and for Power Service during the year 1944

Population, 10,000 or more

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
$ c.	kw-hr.		kw-hr.	$ c.	cents	$ c.			
57,064.99	4,665,170	636	611	7.48	1.22	58,992.96	105	3,741.0	4,680
83,520.33	7,993,452	1,236	539	5.63	1.04	356,775.08	210	19,452.1	9,783
97,301.01	6,656,322	848	654	9.56	1.46	99,961.17	109	4,661.0	5,532
102,001.61	10,148,492	1,061	797	8.00	1.01	111,801.21	119	6,378.9	8,512
61,016.59	3,929,752	500	655	10.17	1.55	173,884.55	118	8,985.8	4,914
50,685.58	4,250,511	799	443	5.29	1.19	144,729.85	141	8,704.4	6,643
490,427.81	43,790,360	5,423	673	7.54	1.12	2,981,446.68	1,056	154,477.1	50,179
141,534.95	12,156,278	1,036	977	11.38	1.16	170,789.96	171	8,966.8	9,074
129,995.40	8,578,039	1,115	641	9.71	1.51	449,380.57	285	21,658.7	10,118
211,223.50	16,885,158	1,878	749	9.37	1.25	576,175.53	455	30,927.5	22,192
62,576.95	5,467,848	729	625	7.15	1.14	110,642.09	111	6,429.8	5,824
63,230.92	3,573,987	666	451	7.98	1.77	58,919.54	86	2,225.6	4,131
75,811.99	4,005,165	705	473	8.95	1.89	341,620.14	119	14,991.6	7,589
310,607.42	24,385,185	1,468	1,384	17.57	1.27	92,380.60	208	5,708.5	17,334
45,959.32	3,077,008	544	471	7.04	1.49	80,236.81	103	4,410.5	4,310
90,726.73	5,794,679	916	527	8.25	1.57	166,239.23	170	8,718.0	7,788
90,804.22	8,023,315	907	737	8.33	1.13	360,315.54	113	22,881.1	7,119
95,108.16	8,571,011	1,055	677	7.51	1.11	482,642.17	213	27,152.7	10,010
51,641.64	4,415,164	613	600	7.02	1.17	72,066.68	82	4,359.9	5,413
54,812.14	3,948,212	614	536	7.44	1.39	208,522.47	87	8,687.6	6,104
52,482.05	3,205,512	589	454	7.43	1.64	70,737.04	114	3,552.0	5,264
128,225.91	7,070,886	1,098	537	9.73	1.81	53,491.88	112	2,209.0	9,944
2,458,332.80	189,192,195	23,137	681	8.85	1.30	†4,999,289.47	4,453	222,841.0	181,736
45,484.07	1,217,420	301	337	12.59	3.74	254,968.88	722	10,525.0	1,179
36,810.61	3,348,821	463	603	6.63	1.10	209,058.22	88	10,843.8	3,815
400,489.52	28,918,384	3,267	738	10.22	1.38	858,583.63	506	42,287.2	30,682
49,617.31	3,840,495	465	688	8.89	1.29	108,945.42	97	6,510.8	4,010

NOTE—The above group of 26 cities utilizes about 72 per cent of the power distributed by the Commission to Ontario municipalities, including rural service.

†Does not include street railway power.

of Population, 2,000 or more

9,060.40	544,448	130	349	5.81	1.66	11,280.81	16	464.1	880
9,536.06	393,875	140	234	5.66	2.42	19,813.12	20	1,001.5	1,051
6,136.13	420,685	113	310	4.53	1.46	17,403.33	19	845.0	925
10,256.71	710,932	148	400	5.77	1.44	8,343.45	15	508.3	921
42,847.82	2,802,714	414	564	8.62	1.53	31,563.32	60	1,646.8	2,945
10,705.24	536,207	157	285	5.70	2.00	67,888.38	27	2,758.9	1,418
19,361.35	1,234,181	248	415	6.51	1.57	23,463.18	51	1,344.4	1,926
27,298.29	2,241,537	395	473	5.76	1.22	60,111.35	74	3,345.5	3,570
8,821.55	435,812	174	209	4.22	2.02	29,427.90	18	1,514.3	1,268
8,250.09	443,265	125	296	5.50	1.86	6,658.98	17	316.1	735
19,867.58	1,010,162	234	360	7.08	1.97	28,225.19	47	1,467.2	1,724
14,492.72	800,607	208	321	5.81	1.81	39,878.64	48	2,236.9	1,906
9,928.39	461,243	155	248	5.34	2.15	6,862.37	9	274.6	773
14,998.45	927,276	200	386	6.25	1.62	42,171.96	39	2,666.1	1,697
14,130.72	912,052	210	362	5.61	1.55	20,368.35	27	1,088.0	1,300

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers For Domestic Service, for Commercial Light Service

Group II—TOWNS

Municipality	System	Population	Domestic service					
			Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			$ c.	kw-hr.		kw-hr.	$ c.	cents
Elmira	S.O.	2,176	17,094.63	1,209,711	554	182	2.57	1.41
Fergus	S.O.	2,883	21,113.76	1,254,870	770	136	2.29	1.68
Forest Hill	S.O.	12,954	220,865.09	18,413,053	3,537	434	5.20	1.20
Georgetown	S.O.	2,498	21,419.12	1,674,008	833	167	2.14	1.28
Goderich	S.O.	4,922	38,138.96	2,594,957	1,361	159	2.34	1.47
Gravenhurst	S.O.	2,063	12,900.77	1,114,284	593	157	1.81	1.16
Hanover	S.O.	3,174	23,5[illegible]2.23	1,491,520	850	146	2.31	1.58
Hespeler	S.O.	3,023	18,760.43	1,312,646	825	133	1.90	1.43
Humberstone	S.O.	3,220	12,712.47	721,670	738	81	1.44	1.76
Huntsville	S.O.	2,849	15,691.35	1,316,378	744	147	1.76	1.19
Ingersoll	S.O.	5,810	35,342.02	2,783,768	1,568	148	1.88	1.27
Kincardine	S.O.	2,134	15,634.72	747,574	741	84	1.76	1.99
Kingsville	S.O.	2,290	15,210.03	983,973	641	128	1.98	1.55
Leamington	S.O.	5,619	30,395.21	2,113,352	1,688	104	1.50	1.44
Lindsay	S.O.	7,783	50,464.77	3,795,184	2,289	138	1.83	1.33
Listowel	S.O.	2,993	18,388.32	1,297,238	801	135	1.91	1.42
Long Branch	S.O.	5,320	38,575.88	2,821,368	1,564	150	2.06	1.37
Meaford	S.O.	2,676	15,067.31	813,956	757	90	1.66	1.85
Merritton	S.O.	3,189	20,226.90	1,624,708	962	141	1.76	1.24
Midland	S.O.	6,579	41,198.87	2,956,150	1,625	152	2.11	1.39
Mimico	S.O.	8,075	70,176.45	5,784,609	2,306	209	2.54	1.22
Napanee	S.O.	3,269	28,586.42	2,060,879	897	192	2.66	1.39
New Toronto	S.O.	8,360	48,428.19	3,704,660	2,029	152	1.99	1.31
Orangeville	S.O.	2,386	17.172.79	1,028.872	746	115	1.92	1.67
Paris	S.O.	4,608	26,659.36	2,185,930	1.215	150	1.83	1.22
Penetanguishene	S.O.	3,843	14,948.16	787.136	773	85	1.61	1.90
Perth	S.O.	4,154	28,613.25	2,149,424	1,110	161	2.14	1.33
Petrolia	S.O.	2,605	14,234.71	819,651	825	83	1.44	1.74
Picton	S.O.	3,383	26,744.48	1,957.205	1,336	122	1.67	1.36
Port Colborne	S.O.	7,050	34,577.64	1,928,855	1,655	97	1.74	1.79
Port Hope	S.O.	4,910	34,154.57	2,761,146	1,455	158	1.96	1.23
Prescott	S.O.	3,283	24,131.21	1,902,782	815	195	2.47	1.27
Preston	S.O.	6,707	39,797.05	3,140,840	1,689	155	1.96	1.26
Riverside	S.O.	5,525	44,426.15	2,626,882	1,559	140	2.37	1.69
St. Marys	S.O.	4,005	29,586.65	2,062,860	1,076	160	2.29	1.43
Simcoe	S.O.	6,224	29,081.52	2,056,050	1,678	102	1.44	1.41
Smiths Falls	S.O.	7,468	52,773.05	4,635,804	2,012	192	2.19	1.14
Strathroy	S.O.	3,060	23,580.58	1,957,305	876	186	2.24	1.20
Swansea	S.O.	7,033	72,710.46	6,170,206	2,096	245	2.89	1.18
Tecumseh	S.O.	2,628	17,237.29	744,620	711	87	2.02	2.31
Thorold	S.O.	5,374	23,384.61	1,783,372	1,274	117	1.53	1.31
Tillsonburg	S.O.	3,999	21,327.20	1,460,548	1,243	98	1.43	1.46
Trenton	S.O.	9,387	48,078.98	3,103,152	1,833	141	2.19	1.55
Walkerton	S.O.	2,619	20,003.48	1,042,200	687	126	2.43	1.92
Wallaceburg	S.O.	4,970	25,021.55	1,489,067	1,387	89	1.50	1.68
Waterloo	S.O.	9,349	72,632.95	7,730,825	2,306	279	2.62	0.94
Weston	S.O.	6,165	62,467.36	6,608,901	1,700	324	3.06	0.95
Whitby	S.O.	4,531	32,663.16	2,504,458	1,054	198	2.57	1.30
Wingham	S.O.	2,058	13,566.35	716,268	560	107	1.92	1.89

"D"—Continued

in Ontario Municipalities Served by the Commission and for Power Service during the year 1944

population, 2,000 or more

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
$ c.	kw-hr.		kw-hr.	$ c.	cents	$ c.			
9,690.18	495,307	118	350	6.84	1.96	24,115.56	26	1,009.1	698
9,055.91	473,935	118	335	6.40	1.91	20,319.33	12	885.3	900
25,429.82	1,676,701	243	575	8.72	1.51	3,534.87	26	192.3	3,806
7,761.43	453,126	125	302	5.17	1.71	32,989.09	28	1,556.4	986
17,685.11	876,807	251	291	5.87	2.02	23,059.25	21	991.1	1,633
12,522.08	1,189,622	99	1,001	10.54	1.05	16,819.82	16	856.1	708
9,114.13	469,100	128	305	5.93	1.94	21,277.27	23	809.5	1,001
5,799.47	352,413	88	334	5.55	1.66	56,483.21	30	2,572.2	943
4,621.86	293,039	79	309	4.88	1.58	6,628.35	12	348.9	821
11,203.00	801,210	135	495	6.92	1.40	15,227.87	17	215.8	896
17,236.49	1,237,740	224	460	6.41	1.39	48,988.47	45	2,717.2	1,837
8,215.04	286,572	123	194	5.57	2.87	13,402.33	17	521.9	881
9,234.02	563,082	160	293	4.81	1.64	6,176.24	23	365.8	824
17,319.81	1,242,002	283	366	5.10	1.39	24,793.22	33	1,257.9	2,004
30,115.68	1,668,570	334	416	7.49	1.80	61,899.17	68	2,735.8	2,691
11,625.93	634,835	161	329	6.02	1.83	20,045.69	25	1,057.8	987
6,640.12	437,016	106	344	5.22	1.52	13,542.31	10	614.8	1,680
8,765.17	467,052	155	251	4.71	1.88	10,404.07	21	570.6	933
4,674.64	340,605	60	473	6.49	1.37	240,619.74	17	12,002.1	1,039
18,538.62	1,158,848	193	500	8.00	1.60	82,051.57	52	4,968.4	1,870
11,380.58	839,420	140	500	6.77	1.35	16,837.52	26	708.0	2,472
17,544.12	815,351	204	333	7.17	2.15	11,186.57	24	607.4	1,125
18,625.71	1,506,157	217	578	7.15	1.24	273,507.16	36	12,248.0	2,282
9,872.26	516,299	150	287	5.48	1.91	7,728.94	27	415.0	923
9,205.58	671,601	192	291	4.00	1.37	26,215.00	25	1,549.3	1,432
9,066.62	459,425	103	372	7.34	1.97	21,860.44	21	913.3	897
15,631.03	947,416	192	411	6.78	1.65	17,246.29	30	954.8	1,332
7,754.31	356,395	139	214	4.65	2.18	24,665.00	57	921.6	1,021
15,519.65	976,530	204	399	6.34	1.59	7,558.06	37	368.3	1,577
19,583.15	1,176,487	233	421	7.00	1.66	30,851.07	24	1,488.5	1,912
14,273.59	813,725	203	330	5.86	1.75	38,982.70	40	1,995.6	1,698
11,016.29	655,162	139	393	6.60	1.68	14,644.25	23	807.3	977
20,543.02	1,291,616	225	478	7.61	1.59	64,604.46	54	3,567.3	1,968
5,602.93	306,958	60	426	7.78	1.83	7,736.92	12	313.8	1,631
10,832.66	525,302	172	255	5.25	2.06	26,638.19	38	1,086.4	1,286
30,035.67	2,281,680	390	488	6.42	1.32	33,224.22	43	1,737.6	2,111
16,712.70	1,146,837	213	449	6.55	1.46	30,058.04	37	1,500.3	2,262
11,589.91	736,760	173	355	5.58	1.58	17,746.47	31	1,137.4	1,080
9,075.32	547,114	95	480	7.96	1.66	27,584.57	16	1,220.8	2,207
5,205.63	244,940	53	385	8.18	2.13	2,071.77	3	85.0	767
8,807.93	731,109	158	386	4.65	1.20	48,865.55	19	2,288.0	1,451
17,550.33	1,277,750	253	421	5.78	1.37	16,660.14	36	943.6	1,532
22,779.98	1,395,453	270	431	7.03	1.63	91,584.09	55	4,170.1	2,158
11,279.54	709,382	132	448	7.12	1.59	10,433.36	21	391.0	840
15,352.28	982,955	231	355	5.54	1.56	110,516.20	46	4,632.7	1,664
25,083.15	1,840,560	253	606	8.26	1.36	73,808.37	74	3,806.0	2,633
12,390.64	1,046,264	179	487	5.77	1.18	74,380.48	33	3,734.8	1,912
12,771.55	800,303	161	414	6.62	1.60	20,436.46	27	894.7	1,242
8,586.66	498,444	145	286	4.93	1.72	14,956.33	25	597.7	730

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers

For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

NOTE—The power used by the small municipalities in the following group—excluding the large suburban communities in the townships adjacent to Toronto—together with all power distributed for rural service, amounts to about 14 per cent of the total power distributed by the Commission to municipalities for local distribution, and to rural power districts. Widespread

Municipality	System	Population	Domestic service					
			Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			$ c.	kw-hr.		kw-hr.	$ c	cents
Acton	S.O.	1,927	14,521.65	1,128,551	544	173	2.22	1.3
Agincourt	S.O.	P.V.	6,067.83	441,192	168	219	3.01	1.4
Ailsa Craig	S.O.	446	2,901.51	148,570	147	84	1.64	1.9
Alexandria	S.O.	1,975	7,783.74	281,125	415	56	1.56	2.8
Alliston	S.O.	1,504	13,432.94	665,219	447	124	2.50	2.0
Alvinston	S.O.	648	3,655.19	102,750	205	42	1.49	3.6
Ancaster Twp.	S.O.	....	14,077.52	934,296	394	198	2.98	1.5
Apple Hill	S.O.	P.V.	1,400.35	34,223	66	32	1.77	4.1
Arkona	S.O.	368	3,135.18	99,689	117	71	2.23	3.1
Arthur	S.O.	896	5,753.43	200,018	199	84	2.41	2.9
Athens	S.O.	641	3,542.48	85,850	183	39	1.61	4.1
Ayr	S.O.	693	6,615.87	391,305	227	144	2.43	1.7
Baden	S.O.	P.V.	4,286.98	308,088	168	153	2.13	1.4
Bath	S.O.	293	2,788.01	80,170	64	104	3.63	3.5
Beachville	S.O.	P.V.	4,017.65	247,995	167	124	2.00	1.6
Beamsville	S.O.	1,295	12,597.35	1,043,775	399	218	2.63	1.2
Beaverton	S.O.	839	7,175.78	411,158	331	104	1.81	1.7
Beeton	S.O.	514	3,396.53	100,650	148	57	1.91	3.4
Belle River	S.O.	765	6,030.69	251,610	314	67	1.60	2.4
Blenheim	S.O.	1,765	9,788.19	586,803	560	87	1.46	1.7
Bloomfield	S.O.	581	3,504.85	165,274	181	76	1.61	2.1
Blyth	S.O.	632	3,785.02	191,101	184	86	1.71	2.0
Bolton	S.O.	591	4,957.64	312,580	172	151	2.40	1.6
Bothwell	S.O.	605	2,639.30	156,180	185	70	1.19	1.7
Bradford	S.O.	992	7,100.78	279,000	291	80	2.03	2.5
Brantford Twp.	S.O.	....	36,185.92	2,456,013	1,476	169	2.49	1.5
Brechin	S.O.	P.V.	1,456.03	37,460	53	59	2.29	3.9
Bridgeport	S.O.	P.V.	5,664.97	290,682	178	136	2.65	1.9
Brigden	S.O.	P.V.	2,435.25	85,910	125	57	1.62	2.8
Brighton	S.O.	1,517	12,029.66	461,387	563	68	1.78	2.6
Brussels	S.O.	776	4,834.81	187,170	256	61	1.57	2.6
Burford	S.O.	P.V.	5,902.33	438,378	235	155	2.09	1.3
Burgessville	S.O.	P.V.	1,914.97	79,226	64	103	2.49	2.4
Caledonia	S.O.	1,410	7,326.01	387,008	452	71	1.35	1.9
Campbellville	S.O.	P.V.	1,340.64	58,845	50	98	2.23	2.3
Cannington	S.O.	731	5,895.77	240,432	262	76	1.88	2.5
Capreol	N.O.P.	1,663	9,357.96	432,872	344	105	2.27	2.2
Cardinal	S.O.	1,633	9,048.58	598,480	394	127	1.92	1.5
Cayuga	S.O.	651	4,131.20	156,577	186	70	1.85	2.6
Chatsworth	S.O.	356	2,537.25	118,170	108	91	1.96	2.1

"D"—Continued

in Ontario Municipalities Served by the Commission

and for Power Service during the year 1944

VILLAGES AND SUBURBAN AREAS

distribution to small communities has always characterized Hydro service and although the power used in the smaller places and rural districts is a relatively small proportion of the power distributed by the Commission, it exerts upon the economic life of the Province a most beneficial influence. Consult also introduction to Statement "D", page 290.

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
$ c.	kw-hr.		kw-hr	$ c.	cents	$ c.			
5,261.47	354,827	87	340	5.04	1.5	33,349.50	20	1,379.8	651
1,323.01	45,894	28	137	3.94	2.9	818.16	2	45.3	198
1,039.02	43,481	33	110	2.62	2.4	1,657.75	4	67.9	184
4,645.23	163,722	96	142	4.03	2.8	5,332.79	16	165.6	527
7,900.49	283,366	116	204	5.68	2.8	4,151.81	18	120.2	581
1,820.50	61,477	53	97	2.86	3.0	1,071.02	4	30.7	262
4,174.45	192,836	45	357	7.73	2.2	968.55	9	60.9	448
941.42	36,461	22	168	3.57	2.5	544.34	2	21.6	90
1,497.72	41,395	33	105	3.78	3.6	379.35	2	8.7	152
4,870.27	127,944	84	127	4.83	3.8	1,652.87	7	94.7	290
1,599.40	51,840	45	96	2.96	3.1	983.70	1	36.6	229
2,053.36	106,012	44	200	3.89	1.9	676.04	4	22.3	275
2,034.80	110,685	31	297	5.46	1.8	10,598.35	3	439.9	202
545.42	12,170	9	113	5.05	4.5	....	......	....	73
603.09	22,569	22	85	2.28	2.7	18,537.54	4	730.2	193
5,032.15	268,198	70	319	5.99	1.9	2,311.42	6	123.3	475
2,271.54	119,030	62	160	3.05	1.9	928.83	8	49.5	401
1,948.16	53,285	33	135	4.92	3.7	3,321.50	4	102.8	185
2,925.70	162,740	46	295	5.30	1.8	1,390.70	2	37.9	363
8,023.19	479,131	146	273	4.58	1.7	7,772.96	17	342.8	723
2,399.34	98,922	41	201	4.88	2.4	1,266.36	8	55.0	230
1,973.74	78,994	45	146	3.65	2.5	921.39	4	41.4	233
2,072.00	91,642	43	178	4.02	2.3	2,957.38	10	121.2	225
2,017.87	101,090	51	165	3.29	2.0	889.60	7	85.9	243
4,087.28	112,757	71	132	4.80	3.6	3,677.24	12	162.7	374
4,845.37	290,726	69	351	5.85	1.6	6,802.61	5	274.2	1,550
630.55	20,192	22	76	2.39	3.1	811.86	3	41.0	78
1,270.84	50,271	21	199	5.04	2.5	306.12	3	15.3	202
1,809.54	67,040	38	147	3.97	2.7	1,067.46	4	29.6	167
4,258.47	190,912	95	67	3.74	2.2	6,774.56	9	322.0	667
3,353.83	114,492	69	138	4.05	2.9	1,093.74	5	43.7	330
1,833.73	106,936	39	228	3.92	1.7	1,326.96	5	70.2	279
568.30	23,006	17	113	2.79	2.5	257.80	2	13.9	83
5,057.91	329,616	100	275	4.21	1.5	2,633.50	12	134.3	564
515.77	18,707	11	283	7.81	2.8	385.51	1	7.5	62
2,155.75	79,044	64	103	2.81	2.7	2,640.76	8	129.7	334
3,652.19	174,640	48	303	6.34	2.1	706.66	1	25.0	393
2,263.75	113,600	53	179	3.56	2.0	322.42	2	18.0	449
3,321.21	11,035	68	135	4.07	3.0	1,000.90	7	50.8	261
1,373.88	53,627	29	154	3.95	2.6	....	......	....	137

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Population	Domestic service					
			Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			$ c.	kw-hr.		kw-hr.	$ c	cents
Chesley	S.O.	1,601	10,685.21	672,800	456	123	1.95	1.6
Chesterville	S.O.	1,071	5,398.19	404,360	248	136	1.81	1.3
Chippawa	S.O.	1,294	9,276.30	778,276	364	178	2.12	1.2
Clifford	S.O.	456	3,055.97	138,007	130	88	1.96	2.2
Cobden	S.O.	595	2,669.71	128,372	160	66	1.38	2.1
Colborne	S.O.	916	7,167.48	330,210	285	97	2.10	2.2
Coldwater	S.O.	549	3,717.69	215,306	159	113	1.95	1.7
Comber	S.O.	P.V.	2,309.22	91,980	120	64	1.60	2.5
Cookstown	S.O.	P.V.	2,540.65	75,453	119	53	1.78	3.4
Cottam	S.O.	P.V.	2,588.71	103,310	131	66	1.65	2.5
Courtright	S.O.	313	1,609.21	56,407	91	52	1.47	2.9
Creemore	S.O.	628	3,661.31	133,010	176	63	1.73	2.8
Dashwood	S.O.	P.V.	2,281.79	101,986	102	83	1.86	2.2
Delaware	S.O.	P.V.	2,230.08	142,755	71	168	2.62	1.6
Deseronto	S.O.	1,052	9,333.20	392,826	395	83	1.97	2.4
Dorchester	S.O.	P.V.	3,179.71	173,739	157	92	1.69	1.8
Drayton	S.O.	523	3,658.54	137,446	167	69	1.83	2.7
Dresden	S.O.	1,519	7,708.55	415,931	466	74	1.38	1.9
Drumbo	S.O.	P.V.	2,617.24	128,060	90	108	2.22	2.0
Dublin	S.O.	P.V.	1,411.25	61,515	61	84	1.93	2.3
Dundalk	S.O.	705	3,978.68	205,390	210	82	1.54	1.9
Durham	S.O.	1,937	7,979.36	493,617	464	89	1.43	1.6
Dutton	S.O.	776	3,262.78	211,160	234	75	1.16	1.6
East York Twp.	S.O.	......	283,143.50	19,683,226	11,918	138	1.97	1.4
Elmvale	S.O.	P.V.	3,769.55	189,595	191	83	1.64	2.0
Elmwood	S.O.	P.V.	1,305.33	42,699	72	49	1.51	3.1
Elora	S.O.	1,167	8,478.73	464,823	355	109	1.99	1.8
Embro	S.O.	385	4,087.04	231,923	125	155	2.72	1.8
Erieau	S.O.	234	4,506.73	189,380	197	80	1.91	2.4
Erie Beach	S.O.	22	1,470.45	24,640	79	26	1.55	6.0
Essex	S.O.	1,959	9,518.17	571,970	528	90	1.50	1.7
Etobicoke Twp.	S.O.	......	226,208.65	20,781,818	6,157	281	3.06	1.1
Exeter	S.O.	1,627	16,321.84	1,209,268	544	185	2.50	1.3
Finch	S.O.	393	2,580.32	151,151	107	118	2.01	1.7
Flesherton	S.O.	414	2,117.81	94,310	126	62	1.40	2.2
Fonthill	S.O.	957	6,857.39	372,996	300	104	1.84	1.8
Forest	S.O.	1,565	14,253.14	896,460	510	146	2.33	1.6
Glencoe	S.O.	793	4,594.80	206,063	230	75	1.66	2.2
Grand Valley	S.O.	608	3,223.92	132,230	184	60	1.46	2.4
Granton	S.O.	P.V.	2,153.01	88,342	85	87	2.11	2.4

"D"—Continued

in Ontario Municipalities Served by the Commission and for Power Service during the year 1944

VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horsepower	
$ c.	kw-hr.		kw-hr.	$ c.	cents	$ c.			
5,930.80	321,995	90	298	5.49	1.8	7,501.10	21	412.4	567
3,838.82	177,950	68	218	4.70	2.2	2,788.94	4	119.9	320
2,341.98	158,650	51	259	3.83	1.5	1,214.72	1	36.7	416
1,805.63	74,296	33	188	4.56	2.4	760.25	2	22.1	165
2,479.34	74,935	48	130	4.29	3.3	2,105.63	2	64.4	210
3,376.91	119,702	72	138	3.91	2.8	1,138.01	5	49.0	362
1,674.08	66,795	51	109	2.74	2.6	2,372.23	3	88.5	213
1,721.01	62,775	39	134	3.68	2.7	2,227.99	5	105.1	164
1,244.28	30,677	31	82	3.34	4.1	1,412.43	4	64.9	154
1,320.09	55,150	28	164	3.93	2.4	429.35	2	21.0	161
701.18	29,695	20	124	2.92	2.4	974.64	1	12.5	112
1,894.33	66,445	48	115	3.29	2.9	1,386.77	3	77.8	227
1,469.83	49,034	28	146	4.37	3.0	1,325.96	3	52.7	133
670.99	24,305	14	145	3.99	2.8	....	......	....	85
3,677.87	150,149	70	179	4.38	2.4	2,081.56	8	74.5	473
951.04	43,124	29	124	2.73	2.2	627.06	1	18.9	187
2,088.85	71,977	62	97	2.81	2.9	1,319.35	5	68.0	234
5,990.49	338,410	121	233	4.13	1.8	5,424.72	16	293.4	603
1,009.76	39,790	28	118	3.00	2.6	840.99	1	34.9	119
1,084.22	30,750	27	95	3.35	3.5	1,512.04	2	64.2	90
3,078.57	112,893	66	143	3.89	2.7	3,595.38	6	181.7	282
4,859.19	253,670	94	225	4.31	1.9	4,737.55	12	246.9	570
2,389.30	131,950	63	168	3.04	1.8	3,831.69	11	210.4	308
28,242.07	1,612,673	486	276	4.83	1.7	49,041.85	45	2,045.9	12,449
1,609.05	80,623	51	132	2.63	2.0	3,300.93	8	146.0	250
628.18	17,471	19	77	2.76	3.6	1,269.73	1	44.3	92
4,585.90	211,792	66	267	5.79	2.2	4,693.41	3	245.5	424
1,040.13	59,083	25	197	3.45	1.8	1,049.04	2	45.0	152
1,602.08	65,170	14	388	9.54	2.5	2,631.40	4	73.1	215
215.72	7,270	3	202	5.99	3.0	....	......	....	82
8,991.62	611,350	125	408	5.99	1.5	8,484.91	17	497.4	670
27,464.19	1,850,355	311	496	7.36	1.5	48,372.34	44	2,009.9	6,512
8,297.27	478,669	126	317	5.49	1.7	5,175.53	15	307.0	685
1,711.37	66,271	34	162	4.19	2.6	199.12	1	5.0	142
1,625.53	61,509	45	114	3.01	2.6	785.03	2	33.8	173
2,007.88	93,649	36	217	4.65	2.1	489.36	5	18.9	341
7,522.16	386,630	135	239	4.64	2.0	6,198.37	21	260.1	666
3,476.50	161,656	73	185	3.97	2.2	3,480.25	11	143.1	314
1,994.51	72,890	48	127	3.46	2.7	3,132.12	7	114.7	239
1,141.72	51,080	26	164	3.66	2.2	....	......	....	111

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Population	Domestic service					
			Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			$ c.	kw-hr.		kw-hr.	$ c	cents
Grimsby	S.O.	1,998	19,610.18	1,325,410	655	169	2.49	1.5
Hagersville	S.O.	1,524	8,398.18	476,990	406	97	1.72	1.8
Harriston	S.O.	1,287	8,300.48	497,597	378	110	1.83	1.7
Harrow	S.O.	1,136	12,412.55	910,006	350	217	2.96	1.4
Hastings	S.O.	719	4,239.10	154,356	238	54	1.48	2.7
Havelock	S.O.	907	4,632.02	183,119	295	52	1.31	2.5
Hensall	S.O.	659	4,917.71	231,120	210	92	1.95	2.1
Highgate	S.O.	310	1,776.36	66,860	107	52	1.38	2.7
Holstein	S.O.	P.V.	1,171.87	35,950	63	48	1.55	3.3
Iroquois	S.O.	1,037	6,338.27	332,583	279	99	1.89	1.9
Jarvis	S.O.	539	3,472.06	128,331	163	66	1.78	2.7
Kemptville	S.O.	1,140	8,789.71	462,485	393	98	1.86	1.9
Kirkfield	S.O.	P.V.	922.40	20,060	37	45	2.08	4.6
Lakefield	S.O.	1,314	7,356.25	364,713	360	84	1.68	2.0
Lambeth	S.O.	P.V.	3,740.17	217,179	140	129	2.23	1.7
Lanark	S.O.	692	2,981.24	118,501	173	57	1.43	2.5
Lancaster	S.O.	573	1,980.09	73,610	116	53	1.43	2.7
La Salle	S.O.	1,020	9,421.05	571,424	259	184	3.03	1.6
London Twp.	S.O.	....	16,897.05	1,395,821	494	235	2.85	1.2
Lucan	S.O.	607	4,455.64	307,153	186	138	2.00	1.5
Lucknow	S.O.	907	6,175.57	247,715	287	72	1.79	2.5
Lynden	S.O.	P.V.	3,092.43	170,270	105	135	2.45	1.8
Madoc	S.O.	1,106	5,686.42	249,197	318	65	1.49	2.3
Markdale	S.O.	771	3,713.79	261,126	231	94	1.34	1.4
Markham	S.O.	1,162	8,943.49	561,682	350	134	2.13	1.6
Marmora	S.O.	933	4,781.29	166,928	249	56	1.60	2.9
Martintown	S.O.	P.V.	900.63	40,494	56	60	1.34	2.2
Maxville	S.O.	802	3,528.57	140,505	176	67	1.67	2.5
Merlin	S.O.	P.V.	2,403.79	92,641	124	62	1.62	2.6
Mildmay	S.O.	737	4,170.83	241,723	184	109	1.89	1.7
Millbrook	S.O.	734	4,647.63	128,295	182	58	2.09	3.6
Milton	S.O.	1,953	14,570.46	975,053	555	146	2.19	1.5
Milverton	S.O.	982	5,989.78	502,040	263	159	1.90	1.2
Mitchell	S.O.	1,588	13,518.50	986,868	521	158	2.16	1.4
Moorefield	S.O.	P.V.	1,164.65	41,280	56	61	1.73	2.8
Morrisburg	S.O.	1,528	10,270.08	603,707	444	114	1.93	1.7
Mt. Brydges	S.O.	P.V.	2,795.07	139,809	166	70	1.40	2.0
Mt. Forest	S.O.	1,787	10,192.92	503,500	502	84	1.69	2.0
Neustadt	S.O.	433	2,275.98	47,888	110	36	1.72	4.8
Newbury	S.O.	241	1,381.24	41,510	70	49	1.64	3.3

"D"—Continued

in Ontario Municipalities Served by the Commission and for Power Service during the Year 1944

VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horsepower	
$ c.	kw-hr.		kw-hr.	$ c.	cents	$ c.			
13,263.48	624,267	121	430	9.13	2.1	14,571.31	16	567.3	792
6,577.15	368,413	117	262	4.68	1.8	18,190.51	16	918.1	539
5,324.41	270,669	104	217	4.27	2.0	6,454.90	13	277.4	495
5,434.38	226,121	83	227	5.46	2.4	4,528.09	9	218.3	442
2,326.70	79,214	49	135	3.96	2.9	196.58	3	15.2	290
2,082.07	61,905	52	99	3.34	3.4	1,895.05	2	72.8	349
2,284.18	75,670	54	117	3.52	3.0	2,945.27	14	149.0	278
816.53	27,820	31	75	2.19	2.9	1,325.93	5	67.2	143
424.40	15,450	11	117	3.22	2.7	306.11	2	20.2	76
3,742.80	169,508	67	211	4.66	2.2	1,732.49	6	70.5	352
2,128.64	99,367	41	202	4.33	2.1	3,595.89	2	138.5	206
5,551.89	284,290	80	296	5.77	1.9	3,797.97	6	157.8	479
918.79	22,372	18	104	4.25	4.1	....	......	....	55
5,041.01	222,345	71	260	5.98	2.3	7,685.27	10	460.7	441
1,033.46	46,160	24	160	3.59	2.2	654.58	3	35.4	167
1,654.36	75,220	35	179	3.93	2.2	151.95	1	4.0	209
1,140.85	37,020	29	106	3.28	3.1	....	......	....	145
1,171.21	47,628	14	284	6.97	2.5	165.57	2	10.2	275
1,895.47	119,794	16	624	9.87	1.6	1,846.65	5	85.0	515
2,214.67	89,849	49	153	3.77	2.5	1,392.68	6	75.3	241
5,164.77	168,410	88	159	4.89	3.1	11,957.79	9	330.8	384
826.58	29,622	17	145	4.05	2.8	781.42	2	45.0	124
3,654.39	154,855	88	147	3.46	2.4	1,678.44	5	79.8	411
3,251.06	157,460	71	185	3.82	2.1	2,498.53	9	133.3	311
2,799.50	130,273	62	175	3.76	2.1	3,213.26	9	167.1	421
2,131.53	91,973	36	213	4.95	2.3	255.59	1	20.2	286
1,143.74	38,911	25	130	3.81	2.9	....	......	....	81
2,718.32	84,020	46	152	4.92	3.2	....	......	....	222
2,017.07	83,575	55	127	3.06	2.4	777.51	3	31.7	182
2,828.24	106,635	57	156	4.13	2.7	1,112.48	2	32.3	243
1,899.06	36,104	60	50	2.60	5.2	1,549.82	4	47.3	246
7,385.62	419,998	106	330	5.81	1.8	27,608.42	14	1,160.9	675
4,136.60	204,120	77	221	4.48	2.0	4,199.30	10	258.0	350
6,311.77	341,898	132	216	3.98	1.8	6,966.69	24	351.0	677
1,663.92	68,169	32	178	4.33	2.4	80.49	1	3.0	89
5,836.10	235,230	112	175	4.34	2.5	3,492.58	16	102.9	572
958.59	41,011	39	88	2.15	2.3	922.17	5	50.9	210
7,632.55	358,370	135	221	4.71	2.1	7,203.69	16	363.3	653
1,184.28	34,527	24	120	4.11	3.4	611.50	2	18.0	136
455.19	11,131	18	52	2.11	4.1	175.89	1	12.8	89

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Population	Domestic service					
			Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			$ c.	kw-hr.		kw-hr.	$ c	cents
Newcastle	S.O.	767	5,792.21	263,324	230	95	2.09	2.2
New Hamburg	S.O.	1,395	10,757.71	730.283	384	158	2.33	1.5
Niagara-on-the-Lake	S.O.	1,884	18,327.47	1,634,973	623	219	2.45	1.1
Nipigon Twp.	T.B.	....	5,307.18	302,408	243	103	1.80	1.7
North York Twp.	S.O.	....	247,930.37	15,604,895	7,019	185	2.94	1.6
Norwich	S.O.	1,184	9,765.08	703,720	391	150	2.08	1.4
Norwood	S.O.	694	5,466.21	237,500	242	82	1.88	2.3
Oil Springs	S.O.	445	1,962.89	113,953	104	91	1.57	1.7
Omemee	S.O.	464	3,461.76	151,157	173	73	1.67	2.3
Orono	S.O.	P.V.	4,731.10	161,893	183	73	2.12	2.9
Otterville	S.O.	P.V.	2,743.03	144,770	143	84	1.60	1.9
Paisley	S.O.	615	4,151.74	116,247	202	48	1.71	3.6
Palmerston	S.O.	1,342	11,483.77	875,735	400	182	2.39	1.3
Parkhill	S.O.	882	6,056.50	284,458	315	75	1.60	2.1
Plattsville	S.O.	P.V.	2,934.43	115,636	118	82	2.07	2.5
Point Edward	S.O.	1,221	7,452.98	347,795	349	83	1.78	2.1
Port Credit	S.O.	1.956	20,366.35	1,852,920	649	238	2.62	1.1
Port Dalhousie	S.O.	1,747	21,473.60	1,806,399	691	218	2.59	1.2
Port Dover	S.O.	1,818	11,774.57	686,329	750	76	1.31	1.7
Port Elgin	S.O.	1,329	12,595.87	641,870	509	105	2.06	2.0
Port McNicoll	S.O.	964	4,536.11	160,800	241	56	1.57	2.8
Port Perry	S.O.	1,216	9,542.38	415,175	381	91	2.09	2.3
Port Rowan	S.O.	622	3,350.51	128,950	171	63	1.63	2.6
Port Stanley	S.O.	919	17,531.68	1,174,015	825	118	1.77	1.5
Priceville	S.O.	P.V.	649.48	14,511	38	32	1.42	4.5
Princeton	S.O.	P.V.	2,960.46	166,668	98	142	2.52	1.8
Queenston	S.O.	P.V.	3,353.23	298,471	81	307	3.45	1.1
Richmond	S.O.	437	2,671.23	112,718	85	115	2.65	2.3
Richmond Hill	S.O.	1,423	11,567.43	1,022,525	414	206	2.33	1.1
Ridgetown	S.O.	1,854	9,506.01	608,220	599	85	1.32	1.6
Ripley	S.O.	361	3,516.55	85,821	129	55	2.27	4.1
Rockwood	S.O.	P.V.	4,377.39	244,280	174	117	2.10	1.8
Rodney	S.O.	722	3,470.29	169,336	239	59	1.21	2.0
Rosseau	S.O.	201	2,340.45	39,187	58	56	3.36	6.0
Russell	S.O.	P.V.	3,218.17	122,575	119	86	2.24	2.6
St. Clair Beach	S.O.	153	3,219.21	150,570	102	123	2.63	2.1
St. George	S.O.	P.V.	3,681.51	191,935	154	104	1.99	1.9
St. Jacobs	S.O.	P.V.	4,450.13	345,270	141	204	2.63	1.3
Scarborough Twp.	S.O.	....	138,392.01	9,532,779	5,950	133	1.94	1.5
Seaforth	S.O.	1,711	12,167.45	745,201	524	119	1.94	1.6
Shelburne	S.O.	1,044	5,940.46	262,110	314	70	1.58	2.3
Sioux Lookout	N.O.P.	1,734	18,529.74	436,982	488	75	3.16	4.2
Smithville	S.O.	P.V.	4,159.56	173,230	185	78	1.87	2.4
Southampton	S.O.	1,597	11,874.86	657,666	567	97	1.75	1.8
Springfield	S.O.	409	2,292.67	94,005	133	60	1.44	2.4

"D"—Continued

in Ontario Municipalities Served by the Commission and for Power Service during the year 1944

VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	Total number of consumers
$ c.	kw-hr.		kw-hr.	$ c.	cents	$ c.			
2,084.61	83,390	29	239	5.97	2.5	2,075.14	7	76.0	266
4,659.26	221,134	101	182	3.84	2.1	7,899.74	12	372.0	497
7,034.21	447,589	103	362	5.69	1.6	6,430.35	11	288.3	737
4,085.88	231,695	54	357	6.28	1.7	1,076.38	5	70.1	302
32,926.16	1,360,670	341	333	8.05	2.4	187,802.49	55	6,349.0	7,415
4,309.38	282,539	95	248	3.78	1.5	2,074.21	9	130.3	495
2,434.57	89,530	58	129	3.50	2.8	1,394.97	4	64.3	304
1,321.09	60,682	34	149	3.24	2.2	5,707.93	33	170.4	171
926.61	31,687	29	91	2.64	2.9	3,325.36	5	145.0	207
2,036.99	59,412	39	126	4.28	3.4	165.84	2	7.8	224
1,961.66	85,868	45	159	3.63	2.3	684.45	5	42.4	193
2,334.73	71,283	50	119	3.89	3.3	921.80	3	30.2	255
4,801.00	240,640	95	211	4.21	2.0	8,855.92	13	545.3	508
3,369.83	124,598	81	128	3.47	2.7	1,935.51	7	67.7	403
2,156.56	90,661	21	359	8.56	2.4	2,243.06	2	73.8	141
2,910.17	113,723	47	202	5.16	2.6	43,525.09	11	1,684.0	407
6,970.46	441,944	83	444	7.00	1.6	6,306.65	11	254.4	743
4,832.90	349,882	69	423	5.84	1.4	7,376.10	12	415.4	772
5,599.57	328,854	116	236	4.02	1.7	6,523.78	15	297.2	881
6,113.06	256,894	110	195	4.63	2.4	4,012.95	7	218.5	626
715.26	22,370	17	110	3.51	3.2	....	......	....	258
3,575.94	148,070	76	162	3.92	2.4	2,991.83	10	132.6	467
2,428.52	121,520	39	260	5.19	2.0	117.17	2	2.8	212
4,446.11	204,425	95	179	3.90	2.2	4,503.70	10	219.4	930
159.84	3,739	9	35	1.48	4.3	152.04	2	3.8	49
875.05	33,217	21	132	3.47	2.6	2,595.72	3	93.4	122
1,701.08	78,346	17	384	8.34	2.2	....	......	....	98
1,268.29	40,595	22	153	4.74	3.1	....	......	....	107
4,105.14	252,136	72	292	4.75	1.6	2,842.47	15	163.8	501
7,508.40	400,313	136	245	4.60	1.9	7,506.07	19	432.0	754
2,025.45	46,986	49	80	3.44	4.3	1,608.24	1	65.7	179
1,104.54	48,015	31	129	2.97	2.3	35.29	1	2.0	206
2,227.82	91,015	62	122	2.99	2.4	2,050.31	6	101.6	307
880.43	15,583	12	108	6.11	5.6	....	......	....	70
1,453.91	45,622	30	126	4.03	3.2	....	......	....	149
1,815.29	72,265	7	860	21.61	2.5	228.91	1	10.0	110
1,413.44	73,294	31	197	3.80	1.9	3,140.04	2	116.9	187
1,927.20	96,800	31	260	5.18	2.0	5,274.54	9	261.0	181
24,096.60	1,400,557	385	303	5.21	1.7	40,986.23	39	1,667.4	6,374
7,861.55	415,373	109	317	6.01	1.9	14,369.91	23	699.0	656
3,677.94	162,380	69	196	4.44	2.3	3,277.22	13	194.9	396
12,230.78	235,682	87	226	11.71	5.2	1,405.98	2	32.5	577
2,874.01	172,182	53	271	4.52	1.7	2,647.87	5	135.1	243
5,821.07	280,888	89	263	5.45	2.1	9,104.27	12	357.5	668
755.59	16,900	22	64	2.86	4.5	883.59	3	40.5	158

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Population	Domestic service Revenue	Domestic service Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			$ c.	kw-hr.		kw-hr.	$ c	cents
Stamford Twp.	S.O.	....	79,218.97	7,209,762	2,497	241	2.64	1.1
Stayner	S.O.	1,172	6,070.89	319,700	341	78	1.48	1.9
Stirling	S.O.	939	6,501.59	462,107	293	132	1.85	1.4
Stouffville	S.O.	1,223	8,280.58	505,435	408	103	1.69	1.6
Streetsville	S.O.	704	5,771.38	363,485	208	146	2.31	1.6
Sunderland	S.O.	P.V.	3,106.89	117,030	140	70	1.85	2.7
Sutton	S.O.	918	8,445.65	389,600	468	69	1.50	2.2
Tara	S.O.	478	3,103.17	127,971	164	65	1.58	2.4
Tavistock	S.O.	1,042	9,005.61	685,825	300	191	2.50	1.3
Teeswater	S.O.	826	4,862.78	186,918	233	67	1.74	2.6
Thamesford	S.O.	P.V.	4,044.59	312,650	147	177	2.29	1.3
Thamesville	S.O.	789	3,752.44	238,776	243	82	1.29	1.6
Thedford	S.O.	557	3,409.88	114,339	166	57	1.71	3.0
Thorndale	S.O.	P.V.	1,845.41	73,260	83	74	1.85	2.5
Thornton	S.O.	P.V.	1,403.67	38,290	67	48	1.75	3.7
Tilbury	S.O.	1,982	7,730.13	498,970	502	83	1.28	1.5
Toronto Twp.	S.O.	....	95,025.70	7,084,198	3,065	193	2.58	1.3
Tottenham	S.O.	482	3,641.64	129,625	161	67	1.88	2.8
Trafalgar Twp. No. 1	S.O.	....	17,517.96	819,940	403	169	3.62	2.1
Trafalgar Twp. No. 2	S.O.	....	5,936.36	328,296	170	162	2.91	1.8
Tweed	S.O.	1,250	6,851.18	316,536	321	82	1.78	2.2
Uxbridge	S.O.	1,425	10,091.82	519,270	423	102	1.99	1.9
Victoria Harbour	S.O.	937	3,878.16	138,830	271	43	1.19	2.8
Wardsville	S.O.	227	1,658.93	54,021	65	69	2.13	3.1
Warkworth	S.O.	P.V.	2,319.06	79,546	135	49	1.43	2.9
Waterdown	S.O.	898	6,449.72	454,570	280	135	1.92	1.4
Waterford	S.O.	1,300	7,573.66	482,950	397	101	1.59	1.6
Watford	S.O.	1,038	8,399.74	485,700	312	130	2.24	1.7
Waubaushene	S.O.	P.V.	3,501.31	146,376	235	52	1.24	2.4
Wellesley	S.O.	P.V.	2,661.27	123,810	137	75	1.62	2.1
Wellington	S.O.	1,076	6,945.41	362,908	343	87	1.69	1.9
West Lorne	S.O.	785	3,811.12	205,983	227	76	1.40	1.9
Westport	S.O.	636	4,046.96	126,485	149	71	2.26	3.2
Wheatley	S.O.	718	3,867.29	181,780	237	64	1.36	2.1
Wiarton	S.O.	1,558	7,942.52	334,560	437	64	1.51	2.4
Williamsburg	S.O.	P.V.	1,643.64	144,070	86	140	1.59	1.1
Winchester	S.O.	1,029	7,387.30	518,349	309	138	1.99	1.4
Windermere	S.O.	118	2,781.64	50,085	64	65	3.62	5.6
Woodbridge	S.O.	1,019	8,879.63	618,991	314	164	2.36	1.4
Woodville	S.O.	415	2,263.06	95,496	116	69	1.63	2.4
Wyoming	S.O.	494	2,840.19	137,847	166	69	1.43	2.1
York Twp.	S.O.	....	524,955.55	37,022,508	21,946	140	1.97	1.4
Zurich	S.O.	P.V.	3,659.11	177,234	149	99	2.05	2.1

"D"—Concluded

in Ontario Municipalities Served by the Commission and for Power Service during the year 1944

VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
$ c.	kw-hr.		kw-hr.	$ c.	cents	$ c.			
12,914.30	828,309	154	448	6.99	1.6	17,875.70	19	1,120.1	2,670
3,642.11	173,600	87	166	3.49	2.1	3,023.28	15	203.4	443
3,474.20	152,074	69	184	4.19	2.3	1,554.27	9	78.8	371
4,178.85	209,360	84	208	4.15	2.0	1,328.44	6	75.3	498
2,102.78	82,001	49	139	3.58	2.6	3,915.09	6	159.0	263
1,310.97	39,863	36	92	3.03	3.3	390.37	2	13.0	178
3,224.70	143,560	80	150	3.36	2.2	1,179.36	4	41.0	552
1,522.81	56,693	36	131	3.53	2.7	1,769.16	5	56.8	205
4,422.67	202,528	96	176	3.84	2.2	9,871.68	9	416.6	405
2,908.92	88,820	56	132	4.33	3.3	2,089.36	4	106.8	293
1,283.45	73,523	39	157	2.74	1.7	1,969.54	6	95.3	192
2,851.92	151,439	68	186	3.49	1.9	1,956.79	6	90.6	317
2,639.73	74,186	53	117	4.15	3.6	2,249.94	2	64.7	221
725.55	22,870	21	91	2.88	3.2	1,099.83	2	38.8	106
358.18	11,547	11	87	2.71	3.1	336.77	2	15.9	80
6,457.54	384,850	120	267	4.48	1.7	35,262.73	15	1,562.5	637
22,273.63	1,605,846	187	715	9.93	1.4	8,607.14	43	428.0	3,295
1,282.65	32,411	39	69	2.74	4.0	1,785.32	8	62.7	208
841.08	29,690	6	412	11.68	2.8	1,473.17	9	71.0	418
828.02	35,261	20	147	3.45	2.3	189.79	2	11.0	192
4,351.24	145,485	79	153	4.59	3.0	4,632.91	14	175.5	414
3,982.38	139,100	97	120	3.42	2.9	1,974.65	11	29.4	531
936.29	44,416	28	132	2.79	2.1	102.00	1	3.0	300
799.14	26,347	17	129	3.92	3.0	48.06	1	3.0	83
1,315.57	49,227	39	105	2.81	2.7	85.32	1	9.3	175
1,627.85	120,880	33	305	4.11	1.4	1,394.11	7	64.5	320
3,634.84	225,932	78	241	3.88	1.6	5,254.05	14	329.8	489
3,985.69	161,960	78	173	4.26	2.5	5,863.93	8	204.9	398
746.18	36,030	22	136	2.83	2.1	260.74	2	8.7	259
1,434.77	52,849	44	100	2.72	2.7	1,088.52	4	49.8	185
3,290.44	140,410	69	170	3.97	2.3	2,196.45	9	86.4	421
3,421.53	194,440	54	300	5.28	1.8	4,661.71	8	240.3	289
2,655.03	82,070	49	140	4.52	3.2	....	......	....	198
3,465.08	145,988	73	167	3.96	2.4	3,063.72	6	137.0	316
7,439.23	308,980	106	243	5.85	2.4	3,896.43	17	123.0	560
1,747.18	93,450	32	241	4.55	1.9	143.18	1	10.7	119
4,162.99	211,839	86	205	4.03	2.0	2,176.81	3	100.1	398
1,129.41	30,791	13	197	7.24	3.7	185.47	1	7.5	78
1,928.44	92,984	48	161	3.35	2.1	10,849.82	7	530.7	369
836.46	26,955	20	112	3.49	3.1	675.75	2	41.3	138
1,398.60	46,543	43	90	2.71	3.0	191.02	2	16.0	211
73,823.15	4,460,725	937	396	6.53	1.6	216,048.93	189	10,006.3	23,072
3,372.12	115,794	46	210	6.11	2.9	....	......	....	195

STATEMENT "E"

Cost of Power to Municipalities and Rates to Consumers for Domestic Service—Commercial Light Service—Power Service in Ontario Urban Municipalities Served by The Hydro-Electric Power Commission for the year 1944

In Statement "E" are presented the rate schedules applicable to consumers for domestic service, for commercial light service and for power service in each of the co-operating municipalities receiving service at cost through The Hydro-Electric Power Commission.* The cost per horsepower of the power supplied at wholesale by the Commission to the municipality, an important factor in determining rates to consumers, is also stated.

Cost of Power to Municipalities

The figures in the first column represent the total cost for the year of the power supplied by the Commission to the municipality, divided by the number of horsepower supplied. Details respecting these costs are given in the "Cost of Power" tables relating to the systems, as presented in Section IX, and an explanation of the items making up the cost of power is given in the introduction to that Section.

Rates to Consumers

The Power Commission Act stipulates that "The rates chargeable by any municipal corporation generating or receiving and distributing electrical power or energy shall at all times be subject to the approval and control of the Commission,"†. In accordance with the Act and in pursuance of its fundamental principle of providing service at cost, the Commission requires that accurate cost records be kept in each municipality, and exercises a continuous supervision over the rates charged to consumers.

At the commencement of its operations, the Commission introduced scientifically-designed rate schedules for each of the three main classes into which electrical service is usually divided, namely: residential or domestic service, commercial light service, and power service, and the schedules in use during the past year are presented in the tables of this statement.

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*Except townships served as parts of rural power districts, for which consult Section IV.

†R.S.O. 1937, Ch. 62, Sec. 89.

Domestic Service: Domestic rates apply to electrical service in residences, for all household purposes, including lighting, cooking and the operation of all domestic appliances.

During the past few years most of the urban municipal utilities have further simplified the domestic rate structure by abolishing the service charge, and making a suitable adjustment in the first consumption rate. Where the service charge is retained at 33 and 66 cents gross per month the charge of 33 cents per month per service is made when the permanently installed appliance load is under 2,000 watts, and the charge of 66 cents per month when 2,000 watts or more.

Commercial Light Service: Electrical energy used in stores, offices, churches, schools, public halls and institutions, hotels, public boarding-houses, and in all other premises for commercial purposes, including sign and display lighting, is billed at commercial lighting rates.

Water-Heater Service: For all consumers using continuous electric water heaters, low flat rates are available consisting of a fixed charge per month dependent on the capacity of the heating element and the cost of power to the municipal utility. Such heaters are so connected that the electrical energy they consume is not metered. For new installations the necessary equipment, including heater, thermostat, efficient insulation for water-storage tank, and wiring, is installed by a large number of municipal Hydro utilities, without capital cost to the consumer.† The installation of new water-heating services is suspended for the duration of the war.

Power Service: The rate schedules given for power service in Statement "E" are those governing the supply of power at retail by each of the local municipal utilities. The Commission serves direct, certain large power consumers under special contracts, on behalf of the systems of municipalities.

The rates for power service, as given in the tables, are the rates for 24-hour unrestricted power at secondary distribution voltage. For service at primary distribution voltage the rates are usually five per cent lower than those stated. In municipalities where load conditions and other circumstances permit, lower rates are available for "restricted power", discounts additional to those listed in the table being applicable.

The service charge relates to the connected load or to the maximum demand, as measured by a 10-minute average peak, where a demand meter is installed. The prompt payment discount of 10 per cent on the total monthly bill is given for settlement within 10 days.

Under the tabulation of rates for power service there is a column headed "Basis of rate 130 hours' monthly use of demand." This column shows approximately the net annual amount payable for a demand of one horsepower, assuming a monthly use of 130 hours, which includes 30 hours' use each month at the third energy rate. Broadly, the figures in this column serve to indicate approximately the relative cost of power service in the different municipalities listed.

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†In addition, the municipal Hydro utilities supply booster water-heating equipment to furnish extra requirements beyond the capacity of the continuous heater; current for the booster heater is measured and charged for at the regular rates.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1944, in Urban Municipalities

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month*	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Acton	24.58	....	60	2.5	1.0	0.83	10
Agincourt	24.69	....	60	3.0	1.0	0.83	10
Ailsa Craig	33.47	....	60	2.8	0.9	0.83	10
Alexandria T	39.00	....	60	3.5	1.0	1.11	10
Alliston T	32.84	....	50	4.4	1.1	1.11	10
Alvinston	39.00	....	60	3.8	1.1	1.11	10
Amherstburg T	26.52	....	60	3.0	0.9	0.83	10
Ancaster Twp.	23.28	....	60	3.5	1.2	0.83	10
Apple Hill	33.70	....	60	4.5	1.0	1.39	10
Arkona	39.00	....	60	4.5	1.2	1.39	10
Arnprior T	20.96	....	60	3.2	1.0	0.83	10
Arthur	39.00	....	40	5.0	1.5	1.39	10
Athens	38.36	33-66	50	4.5	1.5	1.11	10
Aurora T	23.91	....	60	2.6	1.0	0.83	10
Aylmer T	26.18	....	60	2.3	0.8	0.83	10
Ayr	28.13	....	60	3.4	1.1	1.11	10
Baden	24.20	....	60	2.5	1.0	0.83	10
Bala T	....	33-66	50	3.7	1.2	1.66	10
Barrie T	22.88	....	60	2.7	1.0	0.83	10
Bath	39.00	33-66	50	5.0	1.5	2.22	10
Beachville	24.62	....	60	3.0	1.0	0.83	10
Beamsville	21.91	....	60	3.0	1.0	0.83	10
Beardmore Townsite	....	....	50	5.5	1.5	1.11	10
Beaverton	30.55	....	60	2.8	1.0	1.11	10
Beeton	39.00	....	45	4.5	1.2	1.39	10
Belle River	28.95	....	60	3.2	1.0	1.11	10
Belleville C	19.60	....	55	1.9	0.7	0.83	10
Blenheim T	27.73	....	60	2.5	0.9	0.83	10
Bloomfield	34.79	....	55	3.2	1.1	0.83	10
Blyth	36.45	....	60	3.2	1.1	1.39	10
Bolton	29.89	....	55	3.3	1.0	1.11	10
Bothwell T	32.28	....	60	2.4	0.8	0.83	10
Bowmanville T	23.80	....	60	3.2	1.0	0.83	10
Bradford	35.34	....	40	4.8	1.2	1.67	10
Brampton T	22.82	....	60	2.3	1.0	0.83	10
Brantford C	21.45	....	60	2.2	0.9	0.83	10
Brantford Twp.	24.88	....	60	2.7	1.0	1.11	10
Brechin	34.89	....	45	5.5	1.2	1.67	10
Bridgeport	26.78	....	50	4.0	1.1	1.11	10
Brigden	35.83	....	60	3.4	0.9	1.39	10

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*Where domestic service charge has not been abolished the charge is 33c per month per service when the permanently installed appliance load is under 2,000 watts and 66c per month when 2,000 watts or more.

"E"

Domestic Service—Commercial Light Service—Power Service Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5.0	1.8	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	2.6	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	2.2	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	3.0	0.8	1.11	10	38.00	1.00	4.0	2.6	0.33	......	......	10
5.0	3.9	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	......	......	10
5.0	3.3	1.0	1.11	10	40.00	1.00	4.3	2.8	0.33	......	......	10
5.0	2.5	0.6	0.83	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	3.0	0.7	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	4.0	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	......	......	10
5.0	4.0	1.0	1.39	10	45.00	1.00	4.9	3.3	0.33	......	......	10
5.0	3.0	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	4.5	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	......	......	10
5.0	4.5	1.0	1.10	10	42.00	1.00	4.6	3.0	0.33	......	......	10
5.0	1.6	0.4	1.11	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	1.9	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	2.5	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	......	......	10
5.0	2.2	0.7	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	3.7	0.8	1.66	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	2.1	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	5.0	1.0	2.22	10	35.00	1.00	3.5	2.3	0.33	......	......	10
5.0	2.6	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	2.7	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	5.5	1.5	2.22	10	40.00	1.00	4.3	2.8	0.33	......	......	10
5.0	2.0	0.8	1.11	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	4.0	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	......	......	10
5.0	2.7	0.6	1.11	10	30.00	1.00	2.8	1.8	0.33	......	......	10
4.5	1.6	0.35	0.83	10	15.00	1.00	1.3	0.8	0.33	......	25	10
5.0	2.0	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	2.8	0.9	0.83	10	35.00	1.00	3.5	2.3	0.33	......	......	10
5.0	3.0	0.8	1.39	10	35.00	1.00	3.5	2.3	0.33	......	......	10
5.0	2.8	0.8	1.11	10	23.00	1.00	2.1	1.4	0.33	......	10	10
5.0	2.0	0.5	0.83	10	25.00	1.00	2.0	1.3	0.33	......	......	10
5.0	2.6	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	4.3	1.0	1.67	10	30.00	1.00	2.8	1.8	0.33	......	......	10
5.0	1.8	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
*5.0	1.6	0.35	0.83	10	16.00	1.00	1.5	0.9	0.33	......	25	10
5.0	2.2	0.5	1.11	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	4.8	0.8	1.67	10	34.00	1.00	3.4	2.2	0.33	......	......	10
5.0	3.5	0.7	1.11	10	25.00	1.00	2.0	1.3	0.33	......	......	10
5.0	2.8	0.8	1.39	10	38.00	1.00	4.0	2.6	0.33	......	......	10

*Minimum 500 watts.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1944, in Urban Municipalities

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Brighton	25.36		60	4.0	1.0	0.83	10
Brockville T	22.21		60	1.8	0.8	0.83	10
Brussels	35.74		55	3.4	1.1	1.39	10
Burford	25.14		60	2.5	0.9	0.83	10
Burgessville	36.54		60	4.5	1.2	1.39	10
Burlington Beach or Hamilton Beach			60	3.5	1.1	0.83	10
Caledonia	25.14		60	2.5	0.8	0.83	10
Callander		33	40	5.0	2.0	1.11	10
Campbellville	39.00		55	3.8	1.1	1.11	10
Cannington	29.99		55	3.6	1.5	1.11	10
Capreol T			50	3.8	1.0	1.39	10
Cardinal	23.56		55	2.5	1.1	1.11	10
Carleton Place T	22.65		55	2.8	1.0	0.83	10
Cayuga	37.98		60	3.6	1.1	1.39	10
Chatham C	23.26		60	2.8	0.8	0.83	10
Chatsworth	32.54		45	3.5	1.2	1.39	10
Chesley T	26.58		55	2.9	1.1	1.11	10
Chesterville	27.00		55	2.3	1.0	0.83	10
Chippawa	18.50		60	2.4	0.9	1.11	10
Clifford	39.00		55	3.5	1.2	1.39	10
Clinton T	27.31		60	2.6	1.0	0.83	10
Cobden	39.00		30	3.5	1.0	1.11	10
Cobourg T	23.70		55	3.4	1.1	0.83	10
Colborne	26.70		60	4.0	1.1	0.83	10
Coldwater	28.33	33–66	55	2.5	1.0	1.11	10
Collingwood T	23.78		55	2.8	1.0	0.83	10
Comber	34.71		60	3.2	0.9	1.11	10
Cookstown	30.88		45	4.5	1.0	1.39	10
Cottage Cove Townsite			60	6.0	2.0	3.33	10
Cottam	32.86		60	3.2	1.0	1.11	10
Courtright	39.00		60	3.0	1.1	1.11	10
Creemore	33.79		45	3.8	1.0	1.39	10
Dashwood	31.77		60	3.8	1.0	1.11	10
Delaware	26.19		60	3.5	1.2	1.11	10
Delhi	26.86		60	3.3	1.0	0.83	10
Deseronto T	28.74		55	4.2	1.0	0.83	10
Dorchester	28.32		60	3.0	1.1	0.83	10
Drayton	39.00		55	4.0	1.3	1.11	10
Dresden T	27.97		60	2.6	0.8	0.83	10
Drumbo	27.82		60	3.8	1.1	1.11	10

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5.0	3.4	0.8	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
4.5	1.6	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	......	25	10
5.0	3.3	1.0	1.39	10	32.00	1.00	3.1	2.0	0.33	......	......	10
5.0	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	4.0	1.0	1.39	10	32.00	1.00	3.1	2.0	0.33	......	......	10
5.0	3.2	0.7	0.83	10	27.00	1.00	2.3	1.5	0.33	......	......	10
5.0	2.0	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	5.0	1.0	1.11	10	40.00	1.00	4.3	2.8	0.33	......	......	10
5.0	3.5	1.0	1.11	10	40.00	1.00	4.3	2.8	0.33	......	......	10
5.0	2.8	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	......	......	10
5.0	3.5	0.8	1.39	10	31.00	1.00	2.9	1.9	0.33	......	......	10
5.0	2.3	1.0	1.11	10	25.00	1.00	2.0	1.3	0.33	......	......	10
5.0	2.2	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	3.2	0.8	1.39	10	30.00	1.00	2.8	1.8	0.33	......	......	10
5.0	2.2	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	3.0	1.0	1.39	10	30.00	1.00	2.8	1.8	0.33	......	......	10
5.0	2.4	0.8	1.11	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	2.3	1.0	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	2.0	0.6	1.11	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	3.5	1.0	1.39	10	36.00	1.00	3.7	2.4	0.33	......	......	10
5.0	2.2	0.7	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	3.5	1.0	1.11	10	35.00	1.00	3.5	2.3	0.33	......	......	10
5.0	2.7	0.9	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	3.0	1.0	0.83	10	32.00	1.00	3.1	2.0	0.33	......	......	10
5.0	2.5	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	......	......	10
5.0	2.3	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	2.8	0.7	1.11	10	27.00	1.00	2.3	1.5	0.33	......	......	10
5.0	4.0	1.0	1.39	10	32.00	1.00	3.1	2.0	0.33	......	......	10
5.0	5.0	2.0	4.44	10	40.00	1.00	4.3	2.8	0.33	......	......	10
5.0	2.8	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	......	......	10
5.0	3.2	1.0	1.11	10	40.00	1.00	4.3	2.8	0.33	......	......	10
5.0	3.0	0.9	1.39	10	26.00	1.00	2.2	1.4	0.33	......	......	10
5.0	3.4	0.9	1.11	10	32.00	1.00	3.1	2.0	0.33	......	......	10
5.0	3.0	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	......	......	10
5.0	2.6	0.9	0.83	10	28.00	1.00	2.5	1.6	0.33	......	......	10
5.0	3.8	1.0	0.83	10	30.00	1.00	2.8	1.8	0.33	......	......	10
5.0	2.2	1.0	0.83	10	27.00	1.00	2.3	1.5	0.33	......	......	10
5.0	3.4	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	......	......	10
5.0	2.0	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	3.0	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	......	......	10

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1944, in Urban Municipalities

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Dublin	39.00	....	60	3.5	1.1	1.11	10
Dundalk	27.79	....	55	3.0	1.0	1.11	10
Dundas T	20.83	....	60	2.5	0.9	0.83	10
Dunnville T	23.53	....	60	2.4	0.8	0.83	10
Durham T	28.04	....	55	2.5	1.0	0.83	10
Dutton	28.80	....	60	2.1	0.8	0.83	10
East York Twp.	21.17	....	60	2.5	1.1	0.83	10
Elmira T	23.98	....	60	3.0	1.0	0.83	10
Elmvale	29.66	....	60	3.2	1.1	0.83	10
Elmwood	37.43	....	45	4.0	1.0	1.39	10
Elora	26.97	....	60	3.0	1.1	1.11	10
Embro	28.09	....	60	3.4	1.2	1.11	10
Erieau	36.36	....	60	3.8	1.1	1.39	10
Erie Beach	39.00	....	60	4.5	1.2	1.39	10
Essex T	26.12	....	60	2.5	0.9	0.83	10
Etobicoke Twp.	22.23	....	60	2.7	1.1	0.83	10
Exeter	27.74	....	60	2.8	0.9	0.83	10
Fergus	25.64	....	55	3.0	1.1	1.11	10
Finch	34.22	....	45	3.0	1.2	1.39	10
Flesherton	34.36	....	55	3.0	1.0	1.11	10
Fonthill	24.55	....	60	3.0	1.1	1.11	10
Forest T	31.31	....	60	3.2	0.9	1.11	10
Forest Hill	20.80	....	60	2.7	1.2	0.83	10
Fort William C	18.75	....	60	2.0	0.8	0.83	10
Frankford	....	....	60	4.5	1.2	0.83	10
Galt C	21.89	....	60	2.8	0.8	0.83	10
Gamebridge	....	....	45	5.5	1.2	1.67	10
Georgetown T	26.18	....	60	2.5	0.9	0.83	10
Geraldton Townsite	....	....	60	3.7	1.2	1.11	10
Glencoe	39.00	....	60	3.3	0.9	1.11	10
Glen Williams	....	....	60	2.9	1.0	0.83	10
Goderich T	29.54	....	60	2.8	1.0	0.83	10
Grand Valley	37.39	....	50	3.4	1.0	1.11	10
Granton	34.69	....	60	3.3	1.2	1.11	10
Gravenhurst T	22.70	....	55	2.2	0.9	0.83	10
Grimsby T	23.95	....	60	3.5	1.1	0.83	10
Guelph C	21.90	....	60	2.0	0.8	0.83	10
Hagersville	27.21	....	60	2.5	1.0	0.83	10
Hamilton C	20.22	....	60	2.4	0.8	0.83	10
Hanover T	23.02	....	60	2.7	1.1	0.83	10

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5.0	3.0	0.8	1.11	10	34.00	1.00	3.4	2.2	0.33	......	......	10
5.0	2.5	0.8	1.11	10	23.00	1.00	2.1	1.4	0.33	......	10	10
5.0	1.9	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	......	25	10
5.0	2.0	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
5.0	2.1	0.8	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	1.8	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	2.6	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	2.4	1.0	0.83	10	27.00	1.00	2.3	1.5	0.33	......	......	10
5.0	3.2	0.8	1.39	10	33.00	1.00	3.2	2.1	0.33	......	......	10
5.0	2.7	0.7	1.11	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	2.8	0.8	1.11	10	35.00	1.00	3.5	2.3	0.33	......	......	10
5.0	3.6	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	2.22	......	10
5.0	4.0	1.0	1.39	10	45.00	1.00	4.9	3.3	0.33	......	......	10
5.0	2.0	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	2.2	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	2.4	0.6	1.11	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	2.8	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	......	......	10
5.0	2.5	0.8	1.11	10	30.00	1.00	2.8	1.8	0.33	......	......	10
5.0	2.6	0.6	1.11	10	30.00	1.00	2.8	1.8	0.33	......	......	10
5.0	2.8	0.6	1.11	10	30.00	1.00	2.8	1.8	0.33	......	......	10
5.0	2.0	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	1.8	0.3	0.83	10	17.00	1.00	1.7	1.1	*0.33 0.133	......	25	10
5.0	3.5	1.0	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	2.3	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	4.8	0.8	1.67	10	34.00	1.00	3.4	2.2	0.33	......	......	10
5.0	2.0	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	3.5	1.0	1.66	10	30.00	1.00	2.8	1.8	0.33	......	......	10
5.0	2.6	0.8	1.11	10	32.00	1.00	3.1	2.0	0.33	......	......	10
5.0	2.3	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	2.4	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	3.0	0.8	1.11	10	32.00	1.00	3.1	2.0	0.33	......	......	10
5.0	2.6	1.0	1.11	10	27.00	1.00	2.3	1.5	0.33	......	......	10
5.0	1.8	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	3.2	0.7	0.83	10	28.00	1.00	2.5	1.6	0.33	......	......	10
5.0	1.6	0.3	0.83	10	14.00	1.00	1.1	0.7	0.33	......	25	10
5.0	2.0	0.75	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
†5.0	1.6	0.35	0.83	10	16 00	1.00	1.5	0.9	0.33	......	25	10
5.0	2.2	0.8	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10

*0.33 cents per kw-hr for the next 360 hours' use plus 0.133 cents per kw-hr for all additional.
†Min.—500 watts.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1944, in Urban Municipalities

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Harriston T	32.04	....	55	3.0	1.0	1.11	10
Harrow T	28.42	....	60	3.3	1.0	0.83	10
Hastings	31.93	....	45	4.2	1.0	1.11	10
Havelock	38.07	....	60	3.0	1.0	0.83	10
Hensall	34.97	....	60	3.5	1.1	1.11	10
Hepworth	....	....	60	4.0	1.2	1.67	10
Hespeler T	22.07	....	60	2.8	0.9	0.83	10
Highgate	32.90	....	60	3.2	0.9	1.11	10
Hislop Townsite	....	33–66	50	6.0	1.5	1.94	10
Holstein	39.00	....	50	4.0	1.1	1.11	10
Hudson Townsite	....	....	60	6.0	2.0	2.00	10
Humberstone	22.52	....	60	2.6	0.8	0.83	10
Huntsville T	26.77	....	60	2.0	0.9	0.83	10
Ingersoll T	22.79	....	60	2.4	0.9	0.83	10
Iroquois	21.97	....	60	3.0	1.0	0.83	10
Jarvis	32.72	....	60	3.4	1.0	1.11	10
Kearns Townsite	....	33–66	50	6.0	2.0	1.94	10
Kemptville	28.77	....	55	3.5	1.2	0.83	10
Kincardine T	30.02	....	40	4.0	1.1	1.11	10
King Kirkland Townsite	....	33–66	50	6.0	1.5	3.06	10
Kingston C	20.07	....	50	2.2	0.8	0.83	10
Kingsville T	27.90	....	60	2.8	0.9	0.83	10
Kirkfield	39.00	....	50	5.0	1.2	1.66	10
Kitchener C	21.38	....	60	2.3	1.0	0.83	10
Lakefield	22.58	....	55	3.3	1.0	0.83	10
Lambeth	28.96	....	60	3.0	1.0	1.11	10
Lanark	34.78	....	50	3.8	1.2	0.83	10
Lancaster	39.00	....	60	3.5	1.0	0.83	10
La Salle T	26.68	....	60	3.8	1.2	1.11	10
Leamington T	27.83	....	60	2.3	0.8	0.83	10
Leaside T	....	*a*3	....	*b*1.8	1.0	0.83	10
Lindsay T	25.26	....	60	2.5	0.9	0.83	10
Listowel T	27.24	....	60	2.4	1.0	0.83	10
London C	21.58	....	60	2.4	0.9	0.83	10
London Twp.	24.67	....	60	2.9	1.0	1.11	10
Long Branch	22.44	....	60	2.5	1.1	0.83	10
Lucan	27.28	....	60	3.0	1.0	1.11	10
Lucknow	32.85	....	55	3.5	1.1	1.39	10
Lynden	27.15	....	60	3.4	1.1	1.39	10
MacTier	....	33–66	40	5.0	2.0	1.66	10

*a*Service charge per 100 sq. ft. floor area.
*b*First 3 kw-hrs per 100 sq. ft.

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5.0	2.6	0.7	1.11	10	25.00	1.00	2.0	1.3	0.33	......	......	10
5.0	2.6	0.7	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	3.6	1.0	1.11	10	37.00	1.00	3.8	2.5	0.33	......	......	10
5.0	2.6	0.9	0.83	10	32.00	1.00	3.1	2.0	0.33	......	......	10
5.0	3.1	1.0	1.11	10	26.00	1.00	2.2	1.4	0.33	......	......	..10
5.0	3.5	1.0	1.67	10	45.00	1.00	4.9	3.3	0.33	......	......	10
5.0	2.2	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	2.8	0.7	1.11	10	29.00	1.00	2.6	1.7	0.33	......	......	10
5.0	6.0	1.5	3.06	10	....	......	......	......	......	......	......	......
5.0	3.5	0.8	1.11	10	45.00	1.00	4.9	3.3	0.33	......	......	10
5.0	6.0	2.0	*1.00	10	46.00	1.00	5.1	3.4	0.33	......	......	10
5.0	2.0	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	1.8	0.7	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	1.9	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
5.0	2.5	1.0	0.83	10	25.00	1.00	2.0	1.3	0.33	......	......	10
5.0	2.6	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	......	......	10
5.0	6.0	2.0	3.06	10	50.00	1.00	5.7	3.8	0.33	......	......	10
5.0	2.8	1.0	0.83	10	27.00	1.00	2.3	1.5	0.33	......	......	10
5.0	3.3	0.9	1.11	10	28.00	1.00	2.5	1.6	0.33	......	......	10
5.0	6.0	1.5	3.89	10	....	......	......	......	......	......	......	......
5.0	1.6	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	......	25	10
5.0	1.9	0.6	0.83	10	23.00	1.00	2.1	1.4	0.33	......	10	10
5.0	4.5	1.0	1.66	10	40.00	1.00	4.3	2.8	0.33	......	......	10
5.0	2.0	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	2.8	1.0	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	2.6	0.8	1.11	10	25.00	1.00	2.0	1.3	0.33	......	......	10
5.0	3.3	1.0	0.83	10	38.00	1.00	4.0	2.6	0.33	......	......	10
5.0	3.0	1.0	0.83	10	45.00	1.00	4.9	3.3	0.33	......	......	10
5.0	3.3	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	......	......	10
5.0	1.8	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
......	*c*3.0 *d*2/3	1/3	0.83	10	....	*e*1.10 .90	2.0	1.0	*f*1/3 1/6	......	......	10
5.0	2.2	0.7	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	2.1	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	......	25	10
5.0	2.5	0.6	1.11	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	2.6	0.6	1.11	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	3.0	0.8	1.39	10	33.00	1.00	3.2	2.1	0.33	......	......	10
5.0	3.0	1.0	0.83	10	25.00	1.00	2.0	1.3	0.33	......	......	10
5.0	5.0	1.0	1.66	10	40.00	1.00	4.3	2.8	0.33	......	......	10

*Per 100 watts. Min. $2.00, Max. $5.00.

*c*First 80 hours' use. *e*First 7.5 kilowatts $1.10 per kw; all additional 90c per kw.

*d*Second 80 hours' use. *f*1/3c per kw-hr, next 300 hrs; all additional 1/6c per kw-hr.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1944, in Urban Municipalities

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Madoc	34.54		60	3.0	1.0	0.83	10
Markdale	27.88		60	2.5	1.0	0.83	10
Markham	25.78		60	2.8	1.0	0.83	10
Marmora	30.44		60	3.8	1.0	1.11	10
Martintown	29.69		50	3.0	1.0	1.11	10
Matachewan Townsite			50	4.5	1.0	1.11	10
Maxville	37.42		55	4.0	1.0	0.83	10
Meaford T	27.93		60	2.8	1.0	0.83	10
Merlin	30.97		60	3.3	1.0	1.11	10
Merritton T	18.79		60	2.4	0.9	0.83	10
Midland T	22.40		60	2.5	1.0	0.83	10
Mildmay	30.58		50	3.0	1.0	1.39	10
Millbrook	29.45		60	5.5	1.3	0.83	10
Milton T	24.17		60	3.0	1.0	0.83	10
Milverton	27.83		60	2.5	1.0	0.90	10
Mimico T	21.39		60	2.5	1.0	0.83	10
Mitchell T	25.47		60	2.9	1.1	0.83	10
Moorefield	39.00		55	3.5	1.2	1.39	10
Mooretown Townsite		33-66	50	6.0	2.0	3.00	10
Morrisburg	24.42		60	3.0	1.0	0.83	10
Mount Brydges	29.42		60	2.6	0.9	1.11	10
Mount Forest T	33.62		60	3.0	1.25	0.83	10
Napanee T	23.29		55	3.2	1.0	0.83	10
Neustadt	32.11		60	4.5	1.1	1.39	10
Newburgh			60	5.0	1.5	1.39	10
Newbury	36.20		60	4.5	1.2	1.11	10
Newcastle	26.85		60	4.0	1.0	1.11	10
New Hamburg	24.88		60	3.0	1.0	0.83	10
New Toronto T	23.31		60	2.4	1.0	0.83	10
Niagara Falls C	16.42		60	2.2	0.8	0.83	10
Niagara-on-the-Lake T	19.68		60	2.6	1.0	0.83	10
Nipigon Twp.	22.83		60	3.0	1.0	1.11	10
Nipissing		33	50	6.0	2.0	1.67	10
North Bay C			60	2.6	1.1	0.83	10
North York Twp.	22.89		60	3.3	1.1	0.83	10
Norwich	25.67		60	2.8	0.9	0.83	10
Norwood	27.13		50	4.0	1.2	1.11	10
Oil Springs	30.80		60	2.6	0.9	1.11	10
Omemee	27.21		60	3.5	1.0	0.83	10
Orangeville T	31.68		55	3.0	1.0	1.11	10
Orono	33.39		60	5.0	1.2	1.11	10
Oshawa C	23.77		50	3.8	1.1	0.83	10
Ottawa C	14.69	33-66	60 60	2.0 1.0	0.5	0.83	10
Otterville	29.75		60	2.8	0.9	1.11	10
Owen Sound C	23.54		60	2.1	0.8	0.83	10

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5.0	2.6	0.9	0.83	10	35.00	1.00	3.5	2.3	0.33	......	......	10
5.0	2.0	1.0	0.83	10	28.00	1.00	2.5	1.6	0.33	......	......	10
5.0	2.4	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	3.4	1.0	1.11	10	35.00	1.00	3.5	2.3	0.33	......	......	10
5.0	3.0	1.0	1.66	10	45.00	1.00	4.9	3.3	0.33	......	......	10
5.0	4.5	1.0	1.66	10	35.00	1.00	3.5	2.3	0 33	......	......	10
5.0	3.5	1.0	0.83	10	45.00	1.00	4.9	3.3	0.33	......	......	10
5.0	2.2	0.8	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	2.8	0.7	1.11	10	30.00	1.00	2.8	1.8	0.33	2.22	......	10
5.0	1.7	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	......	25	10
5.0	2.0	0.9	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
5.0	2.7	0.8	1.39	10	30.00	1.00	2.8	1.8	0.33	......	......	10
5.0	5.0	1.3	0.83	10	35.00	1.00	3.5	2.3	0.33	......	......	10
5.0	2.5	0.5	0.83	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	2.2	0.7	0.90	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	2.0	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	2.4	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	3.1	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	......	......	10
5.0	6.0	2.0	5.00	10	......	......	......	......	......	......	......	......
5.0	2.7	0.8	0.83	10	23.00	1.00	2.1	1.4	0.33	......	10	10
5.0	2.1	0.6	1.11	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	2.4	0.9	0.83	10	28.00	1.00	2.5	1.6	0.33	......	......	10
5.0	2.8	0.75	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	4.0	0.8	1.39	10	35.00	1.00	3.5	2.3	0.33	......	......	10
5.0	4.5	1.5	1.39	10	45.00	1.00	4.9	3.3	0.33	......	......	10
5.0	4.0	1.0	1.11	10	38.00	1.00	4.0	2.6	0.33	......	......	10
5.0	3.5	1.0	1.11	10	27.00	1.00	2.3	1.5	0.33	......	......	10
5.0	2.4	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	1.8	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	1.6	0.35	0.83	10	15.00	1.00	1.3	0.8	0.33	......	25	10
5.0	2.2	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	2.4	0.8	1.11	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	6.0	1.0	1.67	10	......	......	......	......	......	......	......	......
5.0	2.3	0.8	0.83	10	25.00	1.00	2.0	1.3	0.33	......	......	10
5.0	3.0	0.7	1.11	10	25.00	1.00	2.0	1.3	0.33	......	......	10
5.0	2.2	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	3.6	1.0	1.11	10	34.00	1.00	3.4	2.2	0.33	......	......	10
5.0	2.4	0.6	1.11	10	27.00	1.00	2.3	1.5	0.33	......	......	10
5.0	3.3	1.0	0.83	10	30.00	1.00	2.8	1.8	0.33	......	......	10
5.0	2.0	0.8	1.11	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	4.5	1.0	1.11	10	35.00	1.00	3.5	2.3	0.33	......	......	10
5.0	2.8	0.8	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	2.1	0.5	0.83	10	18.00	1.00	1.8	1.2	0.15	......	15 & 10	10
5.0	2.5	0.6	1.11	10	26.00	1.00	2.2	1.4	0.33	......	......	10
5.0	1.8	0.7	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1944, in Urban Municipalities

Municipality C—City T—Town (pop 2 000 or more)	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate: Number of kw-hrs. per month	First rate: Per kw-hr. per month	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
	$ c.	cents		cents	cents	$ c.	%
Paisley	37.25		50	4.5	1.0	1.39	10
Palmerston T	30.40		60	2.7	1.1	1.11	10
Paris T	21.99		60	2.3	0.9	0.83	10
Parkhill T	39.00		60	3.4	1.0	1.11	10
Penetanguishene T	24.66		60	2.8	1.1	0.83	10
Perth T	22.30		55	2.8	1.0	0.83	10
Peterborough C	20.17		60	2.3	1.2	0.83	10
Petrolia T	27.80		60	2.7	0.8	0.83	10
Picton T	28.45		60	2.5	0.8	0.83	10
Plattsville	32.02		60	3.8	1.1	1.11	10
Point Edward	27.70		60	3.0	1.0	0.83	10
Port Arthur C	18.67		50	2.0	0.8	0.83	10 & 10
Port Carling		33–66	45	4.7	1.5	1.66	10
Port Colborne T	22.36		60	2.8	1.0	0.83	10
Port Credit	22.90		60	2.5	1.0	0.83	10
Port Dalhousie	21.41		60	2.6	1.0	0.83	10
Port Dover	28.08		60	2.5	0.9	0.83	10
Port Elgin	29.67	33–66	40	2.5	1.2	1.11	10
Port Hope T	24.36		60	2.4	0.9	0.83	10
Port McNicoll	27.41		50	4.0	1.5	0.83	10
Port Perry	35.76		50	4.0	1.2	1.11	10
Port Rowan	31.99		60	3.2	1.1	1.39	10
Port Stanley	28.69		60	2.8	1.0	0.83	10
Powassan T		33	40	5.0	2.0	1.11	10
Prescott T	22.43		60	2.5	1.1	0.83	10
Preston T	21.58		60	2.6	0.8	0.83	10
Priceville	39.00		60	3.5	1.2	1.39	10
Princeton	33.70		60	3.3	1.2	1.67	10
Queenston	20.30		60	2.8	1.1	1.11	10
Ramore-Matheson			50	6.0	1.5	2.22	10
Red Lake Townsite			55	4.8	1.2	1.00	10
Richmond	38.66		35	5.0	1.5	1.67	10
Richmond Hill	24.02		60	2.5	0.8	0.83	10
Ridgetown T	27.74		60	2.3	0.8	0.83	10
Ripley	39.00		55	6.0	1.5	1.67	10
Riverside T	25.95		60	3.1	1.0	0.83	10
Rockwood	28.07		60	3.0	1.1	1.11	10
Rodney	36.80		60	2.6	0.8	0.83	10
Rosseau	39.00	†33		6.0	2.0	†2.22	10
Russell	39.00		55	4.6	1.2	1.39	10

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by The Hydro-Electric Power Commission

Commercial Light service					Power service								
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5.0	4.0	1.0	1.39	10	42.00	1.00	4.6	3.0	0.33	......	......	10
5.0	2.2	0.9	1.11	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	......	25	10
5.0	3.0	0.9	1.11	10	31.00	1.00	2.9	1.9	0.33	......	......	10
5.0	2.6	0.8	0.83	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	2.0	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
5.0	2.2	0.8	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
5.0	2.1	0.5	0.83	10	23.00	1.00	2.1	1.4	0.33	......	10	10
5.0	2.0	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	3.2	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	2.00	......	10
5.0	2.4	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	1.8	0.3	0.83	10&10	17.00	1.00	1.7	1.1	*0.33 0.133	......	25	10
5.0	4.5	0.8	1.66	10	32.00	1.00	3.1	2.0	0.33	......	......	10
5.0	2.3	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	2.0	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	2.0	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
5.0	2.1	0.8	0.83	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	2.5	0.8	1.11	10	26.00	1.00	2.2	1.4	0.33	......	......	10
5.0	2.2	0.6	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	3.5	1.0	0.83	10	35.00	1.00	3.5	2.3	0.33	......	......	10
5.0	3.2	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	......	......	10
5.0	3.0	0.9	1.39	10	32.00	1.00	3.1	2.0	0.33	......	......	10
5.0	2.4	0.6	0.83	10	26.00	1.00	2.2	1.4	0.33	......	......	10
5.0	5.0	1.0	1.11	10	40 00	1.00	4.3	2.8	0.33	......	......	10
5.0	2.2	1.0	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	2.1	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
5.0	3.0	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	......	......	10
5.0	3.0	1.0	1.67	10	26.00	1.00	2.2	1.4	0.33	......	......	10
5.0	2.5	0.8	1.11	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	6.0	1.5	2.78	10	40.00	1.00	4.3	2.8	0.33	......	......	10
5.0	3.8	1.2	1.50	10	33.00	1.00	3.2	2.1	0.33	......	......	10
5.0	5.0	1.0	1.67	10	45.00	1.00	4.9	3.3	0.33	......	......	10
5.0	2.0	0.5	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	1.8	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	5.0	1.0	1.67	10	50.00	1.00	5.7	3.8	0.33	......	......	10
5.0	2.6	0.7	0.83	10	25.00	1.00	2.0	1.3	0.33	......	......	10
5.0	2.5	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	......	......	10
5.0	2.3	0.5	0.83	10	25.00	1.00	2.0	1.3	0.33	......	......	10
5.0	6.0	2.0	†2.22	10	50.00	1.00	5.7	3.8	0.33	......	......	10
5.0	4.3	1.0	1.39	10	50.00	1.00	5.7	3.8	0.33	......	......	10

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*0.33c per kw-hr for next 360 hours' use plus 0.133c per kw-hr for all additional.
†According to consumers demand.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1944, in Urban Municipalities

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
St. Catharines C	18.84	....	45–60	2.3	0.9	0.83	10
St. Clair Beach	30.36	....	60	3.8	1.1	1.39	10
St. George	29.64	....	60	3.0	1.0	1.11	10
St. Jacobs	24.59	....	60	2.6	1.0	0.83	10
St. Marys T	26.81	....	60	3.1	1.0	0.83	10
St. Thomas C	23.09	....	60	2.4	0.8	0.83	10
Sarnia C	24.77	....	60	2.5	0.8	0.83	10
Scarborough Twp.	23.11	....	60	2.4	1.0	0.83	10
Seaforth T	25.89	....	60	2.9	1.1	0.83	10
Shelburne	31.52	....	60	3.0	1.0	1.11	10
Simcoe T	23.23	....	60	2.2	0.8	0.83	10
Sioux Lookout T	....	....	60	6.0	2.0	2.00	10
Smiths Falls T	20.58	....	60	2.6	0.9	0.83	10
Smithville	26.50	....	60	3.6	1.1	1.11	10
Southampton T	28.91	....	40	3.6	1.2	1.11	10
Springfield	35.08	....	60	3.4	1.0	1.11	10
Stamford Twp.	16.29	....	60	2.8	0.9	0.83	10
Stayner T	28.05	....	55	3.0	1.1	0.83	10
Stirling	20.62	....	60	2.5	0.9	0.83	10
Stoney Creek	....	....	60	3.5	1.1	0.83	10
Stouffville	28.00	....	60	2.6	1.0	0.83	10
Stratford C	23.63	....	60	2.8	0.9	0.83	10
Strathroy T	24.10	....	60	2.6	0.8	0.83	10
Streetsville	26.22	....	60	3.0	1.0	0.83	10
Sudbury C	....	....	60	2.4	1.0	0.83	10
Sunderland	38.39	....	50	4.0	1.2	1.11	10
Sutton	33.80	....	55	3.3	1.1	1.11	10
Swansea	23.93	....	60	2.4	1.0	0.83	10
Tara	31.83	....	55	3.2	1.0	1.11	10
Tavistock	26.59	....	60	2.8	1.0	0.83	10
Tecumseh T	28.21	....	60	3.6	1.0	1.11	10
Teeswater	36.91	....	60	3.8	1.1	1.11	10
Thamesford	28.17	....	60	2.7	0.9	1.11	10
Thamesville	28.09	....	60	2.5	0.8	0.83	10
Thedford	39.00	....	60	4.2	1.0	0.83	10
Thorndale	37.72	....	60	4.0	1.0	1.11	10
Thornton	39.00	....	60	4.0	1.0	1.39	10
Thorold T	19.56	....	60	2.2	0.8	0.83	10
Tilbury T	26.22	....	60	2.2	0.8	0.83	10
Tillsonburg T	24.11	....	60	2.3	0.8	0.83	10

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
*5.0	1.6	1/3	0.83	10	15.00	1.00	1.3	0.8	0.33	......	25	10
5.0	3.8	1.0	1.39	10	32.00	1.00	3.1	2.0	0.33	......	......	10
5.0	2.5	0.6	1.11	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	2.2	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	2.5	0.8	0.83	10	23.00	1.00	2.1	1.4	0.33	......	10	10
5.0	1.7	0.3	0.83	10	15.00	1.00	1.3	0.8	0.33	......	25	10
5.0	1.9	0.4	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	2.0	0.5	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	2.2	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	2.5	0.9	1.11	10	23.00	1.00	2.1	1.4	0.33	......	10	10
5.0	1.8	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	6.0	2.0	†1.00	10	40.00	1.00	4.3	2.8	0.33	......	......	10
5.0	2.0	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	3.1	0.8	1.11	10	27.00	1.00	2.3	1.5	0.33	......	......	10
5.0	2.8	0.8	1.11	10	25.00	1.00	2.0	1.3	0.33	......	......	10
5.0	3.0	1.0	1.11	10	32.00	1.00	3.1	2.0	0.33	......	......	10
5.0	2.0	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	......	25	10
5.0	2.3	0.9	0.83	10	23.00	1.00	2.1	1.4	0.33	......	10	10
5.0	2.0	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	3.2	0.7	0.83	10	27.00	1.00	2.3	1.5	0.33	......	......	10
5.0	2.3	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	2.0	0.4	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	2.0	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	2.5	0.7	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	2.4	0.8	0.83	10	26.00	1.00	2.2	1.4	0.33	......	......	10
5.0	3.6	1.0	1.11	10	35.00	1.00	3.5	2.3	0.33	......	......	10
5.0	3.1	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	......	......	10
5.0	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	2.7	0.8	1.11	10	36.00	1.00	3.7	2.4	0.33	......	......	10
5.0	2.3	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	3.0	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	......	......	10
5.0	3.3	0.8	1.11	10	40.00	1.00	4.3	2.8	0.33	......	......	10
5.0	2.1	0.6	1.11	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	1.9	0.5	0.83	10	23.00	1.00	2.1	1.4	0.33	......	10	10
5.0	3.7	0.8	0.83	10	40.00	1.00	4.3	2.8	0.33	......	......	10
5.0	3.2	0.9	1.11	10	32.00	1.00	3.1	2.0	0.33	......	......	10
5.0	3.5	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	......	......	10
5.0	1.6	0.35	0.83	10	16.00	1.00	1.5	0.9	0.33	......	25	10
5.0	1.7	0.4	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
5.0	1.8	0.4	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10

*Min. 500 watts.

†$1.00 per 100 watts. Min. $2.00. Max. $5.00.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1944, in Urban Municipalities

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Toronto............C	20.56	*a*3	....	*b*1.8	1.0	0.83	10
Toronto Twp..........	23.54	....	60	2.9	1.0	1.11	10
Tottenham..........	39.00	....	40	4.5	1.2	1.39	10
Trafalgar Twp. Area 1.	25.40	....	60	3.1	1.7	*0.83 †2.22	10
Trafalgar Twp. Area 2.	26.92	....	60	3.6	1.2	1.11	10
Trenton............T	18.94	....	60	2.3	0.8	0.83	10
Tweed..............	33.64	....	50	3.8	1.0	0.83	10
Uxbridge............T	35.07	....	60	3.2	1.1	1.11	10
Victoria Harbour......	29.13	....	60	2.8	1.0	1.11	10
Walkerton...........T	23.83	....	50	3.6	1.1	1.11	10
Wallaceburg.........T	25.42	....	60	2.6	0.8	0.83	10
Wardsville..........	39.00	....	60	5.0	1.0	1.39	10
Warkworth..........	31.88	....	50	3.5	1.2	1.11	10
Waterdown..........	23.47	....	60	2.5	1.0	0.83	10
Waterford..........	24.00	....	60	2.4	0.9	0.83	10
Waterloo............T	21.59	....	60	2.0	0.9	0.83	10
Watford..............	30.21	....	60	3.3	1.0	1.11	10
Waubaushene.........	26.09	....	55	3.0	1.0	1.11	10
Welland.............C	19.28	....	60	2.0	0.8	0.83	10
Wellesley............	29.08	....	55	3.0	1.1	1.11	10
Wellington...........	26.64	....	60	2.8	1.25	0.83	10
West Lorne..........	31.40	....	60	2.6	0.8	0.83	10
Weston.............T	21.13	....	60	2.4	0.9	0.83	10
Westport............	39.00	....	50	4.5	1.2	1.94	10
Wheatley............	36.15	....	60	3.0	1.0	0.83	10
Whitby.............T	22.91	....	60	2.6	0.9	0.83	10
Wiarton.............T	39.00	....	50	3.2	1.0	1.11	10
Williamsburg.........	25.81	....	60	2.0	0.8	0.83	10
Winchester..........	25.19	....	60	2.4	1.2	0.83	10
Windermere..........	39.00	‡33	....	5.0	1.5	‡2.22	10
Windsor.............C	23.10	....	60	2.8	0.8	0.83	10
Wingham...........T	31.37	....	50	3.2	1.1	1.11	10
Woodbridge..........	24.34	....	60	2.8	1.0	0.83	10
Woodstock..........C	21.98	....	60	2.4	0.8	0.83	10
Woodville............	37.76	....	50	3.8	1.0	1.11	10
Wyoming...........	34.40	....	60	3.0	0.9	1.11	10
York Twp............	20.62	....	60	2.5	1.0	0.83	10
Zurich..............	38.33	....	60	3.8	1.0	1.11	10

*a*Service charge per 100 sq. ft. floor area.

*b*Per kw-hr for first 3 kw-hrs per 100 sq. ft.

*Under 10 kw, $0.83 minimum bill. †Over 10 kw. $2.22 minimum bill.

‡According to consumers demand.

"E"—Concluded

Domestic Service—Commercial Light Service—Power Service Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs per month per kw-hr.	Second 50 hrs per month per kw-hr.	All additional per kw-hr.	Minimum per h.p per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
......	c{3 2/3	1/3	0.83	10	....	d{D.C. A.C.	3.2 2.0	1.2 1.0	0.6 e{1/3 1/6	......	......	10
5.0	2.2	0.6	1.11	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	4.0	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	......	......	10
5.0	2.8	0.7	0.83	10	26.00	1.00	2.2	1.4	0.33	......	......	10
5.0	2.8	0.7	1.11	10	28.00	1.00	2.5	1.6	0.33	......	......	10
5.0	1.9	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	3.3	1.0	0.83	10	30.00	1.00	2.8	1.8	0.33	......	......	10
5.0	2.8	0.9	1.11	10	28.00	1.00	2.5	1.6	0.33	......	......	10
5.0	2.2	0.8	1.11	10	30.00	1.00	2.8	1.8	0.33	......	......	10
5.0	2.4	0.9	1.11	10	28.00	1.00	2.5	1.6	0.33	......	......	10
5.0	2.0	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	4.5	0.8	1.39	10	35.00	1.00	3.5	2.3	0.33	......	......	10
5.0	3.0	1.0	1.11	10	32.00	1.00	3.1	2.0	0.33	......	......	10
5.0	2.0	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	1.9	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
5.0	1.9	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	2.9	0.9	1.11	10	30.00	1.00	2.8	1.8	0.33	......	......	10
5.0	2.2	1.0	1.11	10	33.00	1.00	3.2	2.1	0.33	......	......	10
5.0	1.6	0.3	0.83	10	16.00	1.00	1.5	0.9	0.33	......	25	10
5.0	2.7	0.8	1.11	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	2.5	0.9	0.83	10	30.00	1.00	2.8	1.8	0.33	......	......	10
5.0	2.3	0.5	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	1.6	0.4	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
5.0	4.0	1.0	1.94	10	45.00	1.00	4.9	3.3	0.33	......	......	10
5.0	2.6	0.7	0.83	10	28.00	1.00	2.5	1.6	0.33	......	......	10
5.0	2.2	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	2.9	0.8	1.11	10	35.00	1.00	3.5	2.3	0.33	......	......	10
5.0	2.0	0.8	0.83	10	32.00	1.00	3.1	2.0	0.33	......	......	10
5.0	2.0	0.8	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	5.0	1.5	‡2.22	10	45.00	1.00	4.9	3.3	0.33	......	......	10
5.0	2.3	0.5	0 83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	2.6	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	......	......	10
5.0	2.4	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	......	25	10
5.0	2.8	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	......	......	10
5.0	2.7	0.6	1.11	10	31.00	1.00	2.9	1.9	0.33	......	......	10
5.0	2.0	0.75	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	3.2	0.9	1.11	10	35.00	1.00	3.5	2.3	0.33	......	......	10

*c*First 80 hours' use—3c per kw-hr. Next 80 hours' use—2/3c per kw-hr.

*d*D.C.—Service charge $1.50 per kw per month for first 7½ kw, plus $1.05 per kw for all additional demand.

A.C.—Service charge $1.10 per kw per month for first 7½ kw, plus $0.90 per kw for all additional demand.

*e*1/3c per kw-hr for next 300 hours' use plus 1/6c. per kw-hr. for all additional.

APPENDIX I

ACTS

CHAPTER 46

An Act to amend The Power Commission Act.

Assented to March 14th, 1944, except Section 3.

Section 3 Assented to April 6th, 1944

Session Prorogued April 6th, 1944.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. Section 1 of *The Power Commission Act* is amended by adding thereto the following clause: Rev. Stat., c. 62, s. 1, amended.

(*aa*) "Advisory Council" shall mean The Ontario Hydro-Electric Advisory Council. "Advisory Council".

2. *The Power Commission Act* is amended by adding thereto the following section: Rev. Stat., c. 62, amended.

6*a*.—(1) There shall be an advisory council to be known as The Ontario Hydro-Electric Advisory Council which shall consist of five members appointed by the Lieutenant-Governor in Council each of whom shall hold office for two years from the date of his appointment or such other period as the Lieutenant-Governor in Council may prescribe and every such member shall be eligible for re-appointment. Advisory Council.

(2) The members of the Advisory Council shall elect from amongst themselves a presiding officer whose term of office shall be one year, and who shall be eligible for re-election. Presiding officer.

Meetings.

(3) The Advisory Council shall meet on the call of its presiding officer on three days' written notice, and also whenever requested to do so by the Commission on similar notice.

Reports.

(4) The Advisory Council shall make a report for the consideration and assistance of the Commission upon every matter submitted to the Advisory Council by the Commission and upon any matter relative to the purposes of the Commission upon which the members of the Advisory Council deem it advisable to report.

Remuneration.

(5) The members of the Advisory Council shall be paid such per diem allowance and travelling expenses as the Lieutenant-Governor in Council shall from time to time decide.

Assistance.

(6) The Commission may provide the Advisory Council with such professional, technical, secretarial and other assistance as the Commission may see fit, and the cost thereof shall be deemed to be part of the administration expenses of the Commission.

Unqualified persons.

(7) No senator or member of the House of Commons of the Parliament of Canada, and no member of the Legislative Assembly of Ontario, and no person not entitled to vote at the election of members of the Legislative Assembly of Ontario shall be eligible to be a member of the Advisory Council.

Termination of appointment.

(8) The Lieutenant-Governor in Council may terminate the appointment of any member who in his opinion is incapable of performing his duties.

Council may act notwithstanding vacancy

(9) The Advisory Council may act notwithstanding any vacancy in its membership and three members shall constitute a quorum at any meeting.

Rev. Stat., c. 62, s. 21, subs. 5, amended.

3. Subsection 5 of section 21 of *The Power Commission Act* is amended by striking out the word "authorize" in the second line and inserting in lieu thereof the word "authorized", so that the said subsection shall now read as follows:

Procedure.

Rev. Stat., c. 54.

(5) Except as otherwise provided in this Act the Commission shall, in the exercise of its compulsory powers authorized by this section and section 28, proceed in the manner provided by *The Public Works Act*, where the Minister of Public Works takes land or property for the use of Ontario, and all the provisions of that Act with respect to the fixing, payment and application of compensation shall *mutatis mutandis* apply.

Rev. Stat., c. 62, s. 33a, (1939, c 35, s. 2) re-enacted.

4. Section 33*a* of *The Power Commission Act* as enacted by section 2 of *The Power Commission Amendment Act, 1939*, is repealed and the following substituted therefor:

Ownership of works retained.

33*a*.—(1) Notwithstanding anything in this Act or any other general or special Act, where works of the Commission have been affixed to realty they shall remain subject to the rights of the Commission as fully as they were before being so affixed and shall not become part of the realty unless otherwise agreed by the Commission in writing.

Affixing signs on property prohibited.

(2) Any person who without the consent of the Commission nails or otherwise attaches anything, or causes anything to be nailed or otherwise attached to or upon any property of the Commission shall incur a penalty of not less than $5 or more than $10.

Recovery of penalties.

Rev. Stat., c. 136.

(3) The penalties imposed by or under subsection 2 shall be recoverable under *The Summary Convictions Act* and shall be paid over to the Commission.

Rev. Stat., c 62, s. 87, subs. 12, amended.

5. Subsection 12 of section 87 of *The Power Commission Act* is amended by striking out the word "approved" in the second line and inserting in lieu thereof the word "proved".

Rev. Stat., c. 62, s. 96, subs. 1, re-enacted.

6.—(1) Subsection 1 of section 96 of *The Power Commission Act* is repealed and the following substituted therefor:

When accounts of corporation show a surplus.

(1) Whenever it appears from the accounts of a municipal corporation or municipal commission that after providing for any payments required to be made on account of principal or interest of any debentures issued for the construction and equipment of works for the production, development or distribution of electrical power or energy, and in the case of a municipal corporation or municipal commission receiving electrical power or energy from the Commission for distribution, after providing for the payments required by this Act, there is a surplus at the credit of the municipal corporation or municipal commission derived from the production, development or distribution of electrical power or energy or from dealing in electrical fittings, fixtures, appliances, machines or equipment, such surplus shall be applied and disposed of in such manner as the Commission may by general regulation or special order direct,—

In repayment to customers.

(*a*) in repaying to persons to whom electrical power or energy is being supplied by such municipal corporation or municipal commission moneys paid by them for electrical power or energy so supplied, such repayment being made either directly or by a credit on or reduction in bills for electrical power or energy; or

In reduction of indebtedness.

(b) in the reduction of any indebtedness incurred with respect to the construction and equipment of such works; or

In erection of office buildings, etc.

Larger buildings than required,—leasing part for other utilities.

(*c*) In purchasing or otherwise acquiring a site and erecting thereon buildings for the occupation and use of the municipal commission as offices and for other business purposes, subject to the approval by the Commission of the site and cost of the plans of any such building and subject to such approval, any such office building may be larger than is required for the immediate use of the municipal commission, and any part of such building not immediately required for the use of the municipal commission may be leased by it to the corporation or to any other municipal commission for the purpose of any public utility in the municipality; or

In maintaining, repairing and extending works.

(d) in the maintenance, repair or renewal thereof; or

(*e*) in the extension of such works; or

(*f*) in the formation of a fund to be used at a future time for any of such purposes; or

To general purposes of municipal corporation.

(*g*) to the extent to which such surplus is derived from the supply of electrical power or energy for the public buildings of the corporation or the lighting of the streets of the municipality or for the operation of any street railway or electric railway or any public utility owned and operated by the corporation, by payment over of such surplus, or of such portion thereof as the Commission may deem proper, to the treasurer of the municipality to be applied to the general purposes of the corporation.

Rev. Stat., c. 62, s. 96, sub. 2, amended.

(2) Subsection 2 of the said section 96 is amended by adding thereto the words "and shall be deemed so to have applied and to have had effect since the 16th day of April, 1912, so that the said subsection shall now read as follows:

Application of sections notwithstanding special provisions.

(2) Subsection 1 shall apply to every municipal corporation or municipal commission which has entered into a contract with the Commission for the supply of electrical power or energy, and shall have effect notwithstanding any provision in any general or special Act and shall be deemed so to have applied and to have had effect since the 16th day of April, 1912.

Short title.

7. This Act may be cited as *The Power Commission Amendment Act, 1944.*

CHAPTER 55

An Act to amend The Rural Power District Service Charge Act.

Assented to March 14th, 1944.

Session Prorogued April 6th, 1944.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Rev. Stat., c. 66, s. 1 (1938, c. 33, s. 2) amended.

1. Section 1 of *The Rural Power District Service Charge Act* as re-enacted by section 2 of *The Rural Power District Service Charge Amendment Act, 1938*, is amended by adding thereto the words "and may from time to time reduce or wholly remove any service charge previously fixed", so that the said section shall now read as follows:

Fixing or altering maximum service charge, etc.

1. Notwithstanding anything contained in any Statute or municipal by-law or contract, the Lieutenant-Governor in Council, upon the recommendation of The Hydro-Electric Power Commission of Ontario, may from time to time make regulations fixing a maximum service charge for any class of service rendered by the Commission in a rural power district and also fixing the minimum number of consumers of different classes per mile of transmission line required for construction of works by the Commission in a rural power district or part thereof and may from time to time reduce or wholly remove any service charge previously fixed.

Rev. Stat., c. 66, s. 2, subs. 1 (1938, c. 33, s. 3), re-enacted.

2.—(1) Subsection 1 of section 2 of *The Rural Power District Service Charge Act* as re-enacted by section 3 of *The Rural Power District Service Charge Amendment Act, 1938*, is repealed and the following substituted therefor:

Where deficit arises.

(1) Where in any rural power district by reason of such maximum service charge having been fixed, reduced or removed or such minimum number of consumers having been fixed pursuant to section 1, the revenue derived by the Commission for any class of service rendered by it in the rural power district is not sufficient to meet the necessary cost of the service as specified by the Commission, the deficit shall be chargeable to and payable out of the Consolidated Revenue Fund.

Rev. Stat., c. 66, s. 2, subs. 3, repealed.

(2) Subsection 3 of the said section 2 is repealed.

Short title.

3. This Act may be cited as *The Rural Power District Service Charge Amendment Act, 1944*.

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LARGE GENERATING STATIONS OF THE COMMISSION

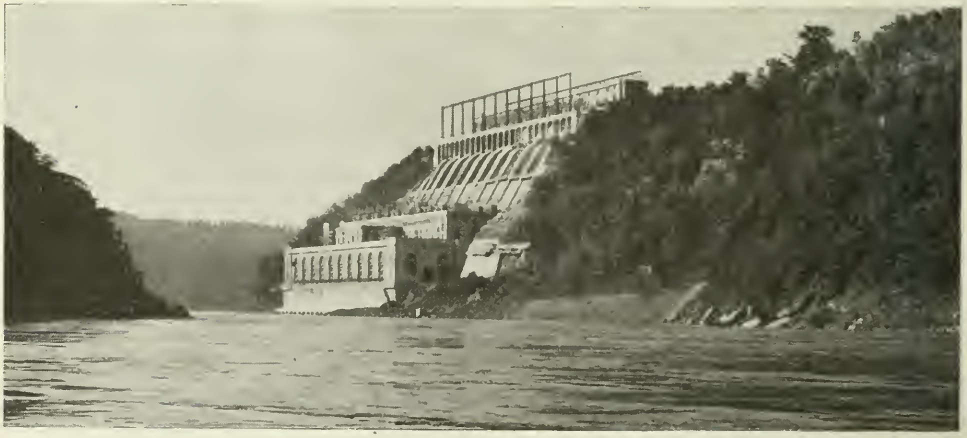
Top:
Northern Ontario
Abitibi Canyon—240,000 hp

Centre Left:
Western Ontario
Cameron Falls—73,000 hp

Centre Right:
Eastern Ontario
Barrett Chute—54,000 hp

Bottom:
Southern Ontario
Queenston—525,000 hp

★



APPENDIX II

GENERATING STATIONS

Operated by The Hydro-Electric Power Commission of Ontario on Behalf of Municipalities Comprising the Co-operative Systems and on Behalf of the Province in the case of the Northern Ontario Properties

In 1932, a list of generating stations operated by the Commission was published in the Twenty-fourth Annual Report; year 1931. Seven years later, in 1939, a revised list was published as Appendix IV to the Thirty-first Annual Report; year 1938. Since that time many additions and changes have been made. The following tabulation brings the record up to the end of 1944.

On the following pages, the generating stations are grouped under the systems to which they respectively belong, and particulars are given of the hydraulic features of the developments, the turbines, the generators, the exciters and the step-up and step-down transformers. Transmission line mileage is route or structure mileage not circuit mileage.

Abbreviations

hp	horsepower
kw	kilowatts
kva	kilovolt-amperes
kv	kilovolts
ft	foot or feet

SOUTHERN ONTARIO SYSTEM

In February 1944 the Niagara, Georgian Bay and Eastern Ontario co-operative systems were amalgamated to form the Southern Ontario system. For many years there had been interchange of power and increasing co-ordination of operation and during 1943 parallel operation of the Niagara and Eastern Ontario power resources and of the Niagara and Georgian Bay power resources was maintained through the frequency-changer equipment at Chats Falls and at Hanover respectively.

The generating stations of the Commission are all water power developments and are listed as encountered ascending the respective rivers and tributaries. The Niagara division operates at 25 cycles except for the Dominion Power and Transmission 50,000 hp plant at DeCew Falls 66⅔ cycles. The Georgian Bay and Eastern Ontario divisions operate at 60 cycles. The Thunder Bay system operates at 60 cycles. The Abitibi plant of the Northern Ontario Properties operates at 25 cycles; other northern plants at 60 cycles.

NIAGARA DIVISION

GENERAL—This division serves all the territory lying between Niagara Falls, Hamilton and Toronto, on the east, and Windsor, Sarnia and Goderich, on the west and north, with electrical energy generated at plants on the Niagara river, DeCew Falls, and the Ottawa river at Chats Falls, and supplemented with purchased power transmitted from generating stations in the province of Quebec.

TRANSMISSION LINES—220 kv = 1,025.12 miles, 110 kv = 924.20 miles, 90 kv—12 kv = 1,308.28 miles, lower voltages not listed.

TRANSFORMER STATIONS—Total capacity in 239 stations owned by the Commission = 3,232,902 kva as follows: 1—220 kv step-up 251,000 kva; 2—220 kv step-down 674,300 kva; 3—110 kv step-up 932,180 kva; 24—110 kv step-down 916,500 kva; 196—distributing 440,922 kva; and 3—auto-transformer stations 28,000 kva.

Queenston Generating Station

Situated at Queenston, on the Niagara river. Constructed by Commission. Official opening, December 28, 1921. Commercial operation, January 26, 1922. Intake at Chippawa, at mouth of Welland river (Grass Island Pool), above Niagara Falls. Water conveyed through canal 12¾ miles long, 4¼ miles of which, from intake to Montrose, consists of channel of Welland river, widened and deepened, flow being reversed; remaining 8½ miles excavated concrete-lined canal to forebay at Queenston, thence down the face of the cliff through penstocks provided with automatically operated Johnson valves to the turbines. Net operating head, 294 ft.

Turbines—Two 52,500 hp Wellman-Seaver-Morgan; three 55,000 hp William Cramp; five 58,000 hp Dominion Engineering Works, all Francis type, vertical shaft, 187.5 rpm. Total capacity, 560,000 hp.

Auxiliary Turbines—Two 2,800 hp Canadian Allis-Chalmers, Francis type, 500 rpm. Total capacity, 5,600 hp.

Generators—Three 45,000 kva, two 55,000 kva Canadian Westinghouse Company; two 45,000 kva, three 54,000 kva Canadian General Electric Company, 3-phase, 25 cycles, 12 kv, vertical shaft with thrust bearing, direct connected to turbines. Total capacity, 497,000 kva.

Auxiliary Generators—Two 2,200 kva Canadian Westinghouse Company, 3-phase, 2,300 volts, vertical shafts. Total capacity, 4,400 kva.

Exciters—Five 150 kw, five 180 kw, direct connected to main generators; two 30 kw direct connected to auxiliary generators.

Transformers—Five banks = fifteen 15,000 kva; 5 banks = fifteen 18,333 kva Canadian Westinghouse Company, single-phase, 12 to 63.5 kv to operate 110 kv star connected. Total capacity, 500,000 kva.

Ontario Power Generating Station

Situated in Queen Victoria Niagara Falls Park, below Horseshoe Falls. Formerly property of Ontario Power Company. In operation July, 1905. Purchased by Commission, August, 1917. Intake and head works at first cascade of upper rapid, one mile above generating station. Water conveyed through three conduits of steel, concrete, and wood stave respectively to distributors, from which steel penstocks lead through rock cliff to turbines. Net operating head, 180 ft.

Turbines—Seven 11,700 hp and five 13,400 hp Voith; two 13,400 hp Wellman-Seaver-Morgan; one 20,000 hp S. Morgan Smith inward flow, Francis twin type, horizontal shaft, 187.5 rpm. Total capacity, 195,700 hp.

Auxiliary Turbines—Two 1,600 hp Canadian Allis-Chalmers, Francis type, 300 rpm. Total capacity, 3,200 hp.

Generators—Seven 8,776 kva, one 15,000 kva Canadian General Electric Company; four 8,770 kva, three 7,500 kva Westinghouse Electric and Manufacturing Company, 3-phase, 25 cycles, 12 kva, direct connected to turbines. Total capacity, 134,012 kva.

Auxiliary Generators—Two 375 kw Westinghouse Electric and Manufacturing Company, motor driven, 250 volt; two 1,060 kw Allis-Chalmers-Bullock, motor and turbine driven, 2,200 volt. Total capacity, 2,879 kw.

Exciters—Six 40 kw, ten 60 kw, three 125 kw Canadian General Electric Company, motor driven.

Transformers—Five banks = fifteen 3,000 kva, 12 to 60 kv, single-phase, Westinghouse Electric and Manufacturing Company. Total capacity, 45,000 kva.

Toronto Power Generating Station

Situated in Queen Victoria Niagara Falls Park, above the Horseshoe Falls. Formerly owned by Toronto Power Company. In operation 1906-07. Purchased by Commission, 1922. Water collected by wing dam conveyed to turbines from head works through steel penstocks. Tail-race tunnelled through solid rock, discharging under Niagara Falls. Net operating head, 135 ft.

Turbines—Seven 15,500 hp, four 13,000 hp William Cramp, all Francis type, vertical shaft, 250 rpm. Total capacity, 160,500 hp.

Generators—Two 8,000 kva General Electric Company; two 8,000 kva, seven 10,000 kva Canadian General Electric Company, 3-phase, 25-cycles, 12 kv, direct connected to turbines. Total capacity, 102,000 kva.

Auxiliary Generators—Two 300 kw Canadian General Electric Company, motor driven, 125 volts.

Exciters—Eleven 50 kw, 125 volts, direct connected to main generators.

Transformers—Three banks = nine 2,670 kva, 12 to 60 kv; two banks = six 6,000 kva, 12 to 60 kv; one bank = three 16,000 kva, Canadian General Electric Company, single-phase, 12 to 63.5 kv to operate 110 kv star connected. Total capacity 109,030 kva.

Chats Falls Generating Station

Situated on the Ottawa river, thirty miles up-stream from the city of Ottawa. Plant controlled and owned jointly by The Hydro-Electric Power Commission of Ontario and the Ottawa Valley Power Company. The plant was designed for 10 units ultimately; first four units in operation October 1931; second four units in operation October 1932. A frequency-changer was installed in the space provided for generator No. 1. Power house and intake integral with dam. Combined length of dam and power house, approximately three miles. Power fed at generator voltage to adjacent outdoor transformer station, where it is stepped up to 220 kv for transmission over the Commission's lines to Toronto. Designed operating head, 53 ft.

Turbines—Eight 28,000 hp Dominion Engineering Works, propeller type, vertical shaft, 125 rpm. Total capacity, 224,000 hp.

Generators—Eight 23,500 kva Canadian Westinghouse Company, 3-phase, 25-cycles, 13.2 kv, direct connected to turbines. Total capacity, 188,000 kva.

Exciters—Eight 200 kw Canadian Westinghouse Company, 250 volts, direct connected to main generators.

Transformers—Five banks = fifteen 15,700 kva Canadian General Electric Company, single-phase, 13.2 to 127 kv to operate at 220 kv star connected. Total capacity, 235,500 kva.

Chats Falls Frequency-Changer Station

Situated at the Ontario end of Chats Falls generating station in space provided for future unit No. 1. Constructed by Commission. Placed in service October 13, 1935. Power supplied from Chats Falls generator bus to 25-cycle motor of frequency-changer set and fed from 60-cycle generator to transformer, where it is stepped up to 121 kv for transmission to Eastern Ontario division.

Frequency-changer—One 45,000 kva Canadian Westinghouse Company, 13.2 kv, 25/60-cycle, 300 rpm, vertical shaft.

Exciters—Two 200 kw, 250-volt generators on same shaft with 600 hp motor, two 10 kw pilot exciters, 120 volt.

Transformer—One 45,000 kva Canadian Westinghouse Company, 13.2 to 121 kv, 60-cycles, 3-phase.

DeCew Falls Extension Generating Station 25-Cycles

Situated at Power Glen, about four miles from St. Catharines; powerhouse about 500 feet east of old DeCew Falls generating station. In operation October 1943. Water supplied to both plants from Welland Ship canal through a new intake at Allanburg to forebay, thence through head-works and 16½ foot diameter steel penstock to turbine. Tail water passes by improved channel down Twelve Mile creek and Second Welland canal to outlet works at Port Dalhousie and to lake Ontario. Net operating head 265 feet. Turbine and generator were transferred from Abitibi Canyon plant.

Turbine—One 70,000 hp Canadian Allis-Chalmers, Francis type, vertical shaft, 150 rpm.

Generator—One 48,500 kva Canadian General Electric Company, 3-phase, 25-cycle, 13,800 volts unit, direct connected to turbine.

Exciters—One 180 kw and one 7 kw pilot exciter, 250 volts, direct connected to generator shaft.

Transformers—Three 22,500 kva Canadian General Electric Company, single-phase, 13.2 to 63.5 kv to operate 110 kv star connected. Total capacity, 67,500 kva.

DOMINION POWER DIVISION

GENERAL—This division comprises certain urban and rural districts in the vicinity of the cities of St. Catharines, Hamilton and Brantford, formerly served by subsidiaries of the Dominion Power and Transmission Company. Properties, including generating plants, transmission lines, and substations, were purchased in April, 1930. Power is obtained from a hydraulic development at DeCew Falls; 25-cycle power is purchased from Canadian Niagara Power Company and converted to 66.6 cycles at Niagara Falls, and from Welland Ship Canal plant at 66.6 cycles.

TRANSMISSION LINES—44 kv = 74.65 miles, 22 to 10 kv = 42.42 miles, lower voltages not included.

TRANSFORMER STATIONS—Total capacity in 10 stations owned by the Commission = 96,850 kva as follows: 2 step-up = 55,200 kva; 8 step-down = 41,650 kva.

DeCew Falls Generating Station

Situated at Power Glen about four miles from St. Catharines. Formerly owned by Dominion Power and Transmission Company. In operation, August, 1898. Purchased by the Commission in April, 1930. Water supplied from Welland Ship Canal through a new intake at Allanburg, which also supplies water to the new 25-cycle plant, to forebay, thence through seven steel penstocks to turbines. Tail water passes to lake Ontario by same channel as the tail water from the 25-cycle plant. Operating head, 260 ft.

Turbines—Six 7,000 hp, one 3,500 hp Voith; two 3,000 hp Riva Monneret, Francis type, horizontal shaft, all 286 rpm. Total capacity, 51,500 hp.

Auxiliary Turbine—One 750 hp Voith, Francis type, 800 rpm.

Generators—One 2,500 kva, four 6,400 kva Canadian Westinghouse Company; two 5,000 kva Westinghouse Electric and Manufacturing Company; two 2,000 kva Canadian General Electric Company, 3-phase, 66.6 cycles, 2,400 volts, direct connected to turbines.Total capacity, 42,100 kva.

Auxiliary Generators—One 500 kva Canadian Westinghouse Company, 66.6 cycles, 2,400 volts, 3-phase, direct connected to turbine.

Exciters—One 100 kw Canadian Westinghouse Company; three 100 kw Westinghouse Electric and Manufacturing Company, motor driven; one 40 kw Canadian General Electric Company, belt driven from main generator; one 30 kw Royal Electric Company direct connected to auxiliary turbines, 70 volts.

Transformers—Two banks = six 2,000 kva Canadian Westinghouse Company, single-phase, 2.2 to 22 kv; four banks = two 3,200 kva and one 2,500 kva Canadian Westinghouse Company, four 3,200 kva and five 2,500 kva Westinghouse Electric and Manufacturing Company, single-phase, 2.2 to 44 kv. Total capacity, 46,200 kva.

Niagara Falls Frequency Changer Station

Situated at Niagara Falls. In operation, 1924. Purchased by the Commission in April, 1930. Power supplied to motor at 25 cycles.

Motor—One 8,200 kva Canadian Westinghouse Company, 3-phase, 25-cycles, 12 kv.

Generator—One 9,000 kva Canadian Westinghouse Company, 3-phase, 66.6 cycles, 13.2 kv.

Exciter—One 90 kw, 125 volts, direct connected.

Transformers—One bank = three 3,000 kva Canadian Westinghouse Company, single-phase, 13.2 to 48 kv. Total capacity, 9,000 kva.

GEORGIAN BAY DIVISION

GENERAL—This division serves the area adjoining on the north that section of country served by the Niagara division. It is a consolidation of what were formerly four systems known respectively as Severn, Eugenia, Wasdells and Muskoka, to which have been added properties and plants purchased from private interests and incorporated into the system as the Bala district. Power is obtained from developments on the Severn, Beaver, Muskoka and Saugeen rivers, supplemented with purchased power from the Orillia municipal plant. Additional power is provided from the Niagara division through frequency-changers at Hanover.

Severn district adjoins the Niagara division on the south, and is the central portion of the Georgian Bay division. Power developments in the district are on the Severn and Muskoka rivers.

Eugenia district also adjoins the Niagara division on the south and the Severn district on the east. Power developments are on the Saugeen and Beaver rivers.

Wasdells district is the south-eastern portion of the division with power developments on the Severn river.

Muskoka district is the north-eastern portion of the division with power developments on the Muskoka river.

Bala district serves a small section of territory situated geographically in the Muskoka district.

All districts are now interconnected by tie-lines, so that thirteen stations operate in parallel through one network of transmission lines.

TRANSMISSION LINES—110 kv = 25.69 miles, 38 kv = 428.25 miles, and 26.4—6.6 kv = 258.14 miles.

TRANSFORMER STATIONS—Total capacity in 83 stations owned by the Commission = 122,720 kva as follows: 7—step-up stations 41,450 kva; 70—step-down 27,520 kva; 5—Auto-transformer stations 19,500 kva; and 1—Frequency-changer station 34,250 kva.

Big Eddy Generating Station

Situated on Muskoka river approximately 8 miles west of Bala. Operating head 36 feet. In service October 11, 1941.

Turbines—Two 4,950 hp S. Morgan Smith-Inglis, fixed blade propeller type, vertical shaft, 200 rpm. Total capacity, 9,900 hp.

Generators—Two 4,500 kva Canadian Westinghouse Company, 60 cycle, 6,600 volt, direct connected to turbines. Total capacity, 9,000 kva.

Exciters—Two 70 kw, 125 volts, main exciters direct-connected; two 4 kw, 125 volt pilot exciters direct-connected to main exciters, Canadian Westinghouse Company.

Transformers—One bank = three 3,000 kva Canadian General Electric Company, single-phase, 6.6 to 22 kv to operate 38 kv star connected. Total capacity, 9,000 kva.

Ragged Rapids Generating Station

Situated on the Muskoka river, locally known as the Musquash river, about five miles below Bala, with concrete regulating dam on the Moon river. Development completed and first unit came into service October 18, 1938, and second unit November 7, 1938. Operating head, 38 ft.

Turbines—Two 5,200 hp S. Morgan Smith-Inglis Company, Kaplan type, vertical shaft, 200 rpm. Total capacity, 10,400 hp.

Generators—Two 4,500 kva Canadian Westinghouse Company, 60 cycles, 6,600 volt, direct connected to turbines. Total capacity, 9,000 kva.

Exciters—Two 70 kw, 125-volt, direct connected to generators.

Transformers—One bank = three 3,000 kva Hackbridge Transformer Company of Canada, single-phase, 6.6 to 22 kv to operate at 38 kv star connected. Total capacity, 9,000 kva.

Bala Generating Station No. 1

Situated in the town of Bala, on Muskoka river. Formerly property of Bala Electric Light and Power Company. In operation 1917. Purchased by Commission in 1929. Water from Muskoka lake conveyed through canal to head works at power house. Operating head about 19 ft.

Turbines—Two 160 hp William Hamilton, Francis type, horizontal shaft. Total capacity, 320 hp.

Generators—One 125 kva, 140 rpm, one 150 kva, 300 rpm, Canadian General Electric, 3-phase, 60-cycles, 2,300 volts belt driven from turbines. Total capacity, 275 kva.

Exciters—One 5 kw Canadian General Electric Company; one 12.5 kw Canadian Westinghouse Company, 125 volts, belt driven from main units.

Bala Generating Station No. 2

Situated in the town of Bala, on Muskoka river, a short distance from Bala Station No. 1, and remote controlled from that point. Formerly property of Bala Electric Light and Power Company. In operation 1924. Purchased by Commission in 1929. Water from Muskoka lake conveyed to plant through short flume to head works at power house. Operating head about 19 ft.

Turbine—One 400 hp William Hamilton, propeller type, vertical shaft, 277 rpm.

Generator—One 312.5 kva Canadian General Electric, 3-phase, 60-cycles, 2,300 volts, direct connected to turbine. Total capacity, 312.5 kva.

Exciter—One 8 kw Canadian General Electric Company, 125 volts, direct connected to main unit.

South Falls Generating Station

Situated at South Falls, on South Muskoka river. Purchased from the municipality of Gravenhurst on November 1, 1915. Remodelled and enlarged in 1916 and again in 1924. Water conveyed from intake by 3 wood-stave pipe lines. Average operating head, 107 ft.

Turbines—One 1,000 hp William Hamilton, 720 rpm; two 2,200 hp William Kennedy, 514 rpm, Francis type, all horizontal shaft. Total capacity, 5,400 hp.

Generators—One 750 kva Canadian General Electric Company; two 2,000 kva Bruce Peebles, 3-phase, 60-cycles, 6,600 volts direct connected to turbine. Total capacity, 4,750 kva.

Exciters—Two 18 kw Bruce Peebles; one 12 kw Canadian General Electric Company direct connected to main generators; one 20 kw Canadian General Electric Company, motor driven, 125 volts.

Transformers—Two banks = six 1,200 kva, 6.6 to 38 kv; one bank = three 400 kva, 6.6 to 22 kv Canadian General Electric Company. Total capacity, 8,400 kva.

Hanna Chute Generating Station

Situated at Hanna Chute, on the South Muskoka river, about half a mile up stream from South Falls plant, and remote controlled from that point. Constructed by Commission. In operation, October, 1926. Power fed at generator voltage to South Falls step-up transformers. Power house and intake integral with dam. Average operating head, 30 ft.

Turbine—One 1,550 hp Dominion Engineering Works, propeller type, vertical shaft, 225 rpm.

Generator—One 1,400 kva Swedish General Electric Company, 3-phase, 60 cycles, 6,600 volts, with thrust bearing, direct connected to turbine.

Exciters—One 23 kw direct connected to generator.

Trethewey Falls Generating Station

Situated at Trethewey Falls, on South Muskoka river, about 2¼ miles up stream from South Falls plant, and remote controlled from that point. Constructed by Commission. In operation September, 1929. Power fed at generator voltage to South Falls step-up transformers. Power house and intake integral with dam. Average operating head, 35 ft.

Turbine—One 2,300 hp S. Morgan Smith-Inglis, propeller type, vertical shaft, 257 rpm.

Generator—One 2,200 kva Swedish General Electric Company, 3-phase, 60-cycles, 6,600 volts, with spring type thrust bearing, direct connected to turbine.

Exciters—One 24 kw direct connected to generator.

Big Chute Generating Station

Situated at Big Chute, on the Severn river. Formerly the property of the Simcoe Light and Power Company. In operation, 1909. Purchased by the Commission in July, 1914. Water conveyed to forebay by canal and thence to power house by two steel penstocks. Average operating head, 56 ft.

Turbines—Three 1,100 hp William Hamilton; one 2,300 hp Wellman-Seaver-Morgan, Francis type, horizontal shaft, 300 rpm. Total capacity, 5,600 hp.

Auxiliary Turbines—Two 150 hp William Hamilton, Francis type.

Generators—Three 900 kva Canadian Westinghouse Company; one 1,600 kva Canadian General Electric Company, 3-phase, 60-cycles, 2,200 volts, direct connected to turbines. Total capacity, 4,300 kva.

Exciters—Two 100 kw Canadian Westinghouse, 125 volts, turbine driven.

Transformers—Two banks = six 600 kva Canadian Westinghouse Company, 2.2 to 22 kv. Total capacity, 3,600 kva.

Wasdells Falls Generating Station

Situated at Wasdells Falls, on the Severn river. Constructed by Commission. In operation, October, 1914. Power house and intake integral with dam. Average operating head, 12 ft.

Turbines—Two 600 hp Boving, Francis type, vertical shaft, 90 rpm. Total capacity, 1,200 hp.

Auxiliary Turbine—One 55 hp Boving, Francis type.

Generators—Two 400 kva Swedish General Electric Company, 3-phase, 60-cycle, 2,300 volts, direct connected to turbines. Total capacity, 800 kva.

Exciters—One 20 kw, turbine driven, one 30 kw, motor driven, Swedish General Electric Company, 125 volts.

Transformers—Two banks = six 150 kva Canadian Westinghouse Company, single-phase, 2.3 to 22 kv. Total capacity, 900 kva.

Eugenia Falls Generating Station

Situated at Eugenia Falls, on the Beaver river. Power rights purchased by Commission from Georgian Bay Power Company in 1914. Plant installed by Commission. In operation in November, 1915. Water is conveyed to plant through canal, two wood stave pipe lines and two steel penstocks, each provided with surge tank. Average operating head, 550 ft.

Turbines—One 4,000 hp Allis-Chalmers, 720 rpm; two 2,250 hp Escher Wyss, Francis type, 900 rpm, all horizontal shaft. Total capacity, 8,500 hp.

Generators—One 2,820 kva, two 1,410 kva Canadian Westinghouse, 3-phase, 60-cycles, 4,000 volts, direct connected to turbine. Total capacity, 5,640 kva.

Exciters—One 40 kw, two 30 kw Canadian Westinghouse direct connected to generators.

Transformers—Two Banks = six 900 kva, Canadian Westinghouse Company, 4 to 22 kv; one auto-transformer = 3,000 kva Canadian General Electric Company, three phase, 22 to 38 kv. Total capacity, 8,400 kva.

Walkerton Generating Station

Situated on Saugeen river, about two miles above the town of Walkerton. Formerly owned by Foshay interests. In operation, 1894. Purchased by Commission, 1930. Water conveyed through canal to head works at power house. Operating head about 12 ft.

Turbines—One 275 hp William Kennedy; one 300 hp Boving, Francis type, both vertical shaft, 120 rpm. Total capacity, 575 hp.

Generators—One 150 kva, one 200 kva Swedish General Electric Company, 3-phase, 60 cycles, 2,300 volts, direct connected to turbines. Total capacity, 350 kva.

Exciters—One 25 kw Canadian Westinghouse Company, motor driven; one 12 kw, turbine driven, one 20 kw, belt driven from main unit, Swedish General Electric Company, 125 volts.

Transformers—One 2,000 kva Commonwealth Electric Corporation, 3-phase, 2.3 to 38 kv. Total capacity, 2,000 kva.

Hanover Generating Station

Situated in the town of Hanover, on Saugeen river. Formerly owned by Canada Cement Company. In operation about 1900. Purchased by Commission, February, 1929. Water conveyed through canal to head works at power house. Operating head, 17 to 18 ft.

Turbines—Two 175 hp William Hamilton, Francis type, horizontal shaft. Total capacity, 350 hp.

Generators—Two 150 kva Canadian General Electric Company, 3-phase, 60-cycles, 4,000 volts, direct connected to turbines. Total capacity, 300 kva.

Exciter—One 13 kw Canadian General Electric Company, 125 volts.

Hanover Frequency-Changer Station

Situated in the town of Hanover, installed by the Commission. First unit placed in service 1930. Second unit in June 1940. Power is transmitted at 25 cycles over 110 kv circuit from Kitchener and voltage is stepped down through one 8,000 kva, 3-phase transformer and nine 750 kva units then through two frequency-changers; the 60-cycle power is stepped up to 38 kv through six 2,500 kva single-phase transformers. Each frequency-changer unit comprises motor, generator and exciter mounted on common shaft.

Motors—1st unit—one 5,400 kva, 3-phase, 25-cycle, 300 rpm, 6,600 volt General Electric Company. 2nd unit—one 5,880 kva, 3-phase, 25-cycle, 300 rpm, 13,200 volts, Westinghouse Electric and Manufacturing Company.

Generators—1st unit—one 6,250 kva, 3-phase, 60-cycle, 4,400 volts, General Electric Company. 2nd unit—one 6,750 kva, 3-phase, 60-cycle, 4,000 volts, Westinghouse Electric and Manufacturing Company. Total capacity, 13,000 kva.

Exciters—1st unit—one 150 kw General Electric Company. 2nd unit—one 50 kw, 125 volt, one 85 kw, 125 volt Westinghouse Electric and Manufacturing Company.

Transformers—One bank = one 8,000 kva Canadian Westinghouse Company, 3-phase, 25-cycle, 110 to 13.2 kv; three banks = nine 750 kva General Electric Company, single-phase, 25-cycles, 110 to 6.6 kv; one bank = three 2,500 kva Canadian General Electric Company, single-phase, 4.4 to 38 kv; one bank = three 2,500 kva Canadian General Electric Company, single-phase, 4 to 38 kv; one bank = three 500 kva Bruce Peebles, single-phase, 4 to 44 kv; one auto-transformer = 3,000 kva Canadian General Electric Company, 3-phase, 38 to 22 kv. Total capacity, 34,250 kva.

EASTERN ONTARIO DIVISION

GENERAL—This division serves that portion of the Province east of the area served by the Georgian Bay and Niagara divisions. It is a consolidation of what was formerly the Central Ontario and Trent system with the St. Lawrence, Rideau, Ottawa and Madawaska systems. Power is obtained from developments on the Trent, Madawaska and Mississippi rivers, supplemented with power from the frequency-changer station at Chats Falls development on the Ottawa river, and purchased power from the Gatineau river. The Gatineau power is obtained on contract over a 110 kv transmission line, owned by the Commission, which connects with the lines of the Gatineau Power Company at the Inter-provincial boundary near the west city limits of Ottawa, and to Chats Falls frequency-changer station, and extends to step-down stations at Smiths Falls, Kingston, Cornwall and Trenton, from which it is distributed to the respective districts. The line is tapped near the south-west limits of the city of Ottawa to connect with a step-down station which supplies its share of power to the municipality. Complete interconnection and paralleling of the various generating stations does not normally obtain, but interchange of power between different sections is possible.

The *Central Ontario district* is the most westerly district of the Eastern Ontario division of the Southern Ontario system. Power in this district is obtained from developments on the Trent river and its tributaries. The generators are connected through step-up transformers, and thus operate in parallel through one network of transmission lines. Power is also purchased from the municipality of Campbellford, and in emergencies from the Peterboro Hydraulic Power Company and the Canadian General Electric Company. Originally this area was served by subsidiary companies of the Electric Power Company, but by agreement, March 10, 1916, under the provisions of the Central Ontario Power Act of 1916, the Commission assumed control of the interests and properties of these companies. In addition to the generating and distributing systems these included two waterworks systems, three gas plants, and one pulp mill. The companies included in this agreement were: Auburn Power Company, Limited; Central Ontario Power Company, Limited; City Gas Company of Oshawa, Limited; Cobourg Utilities Coproration, Limited; Cobourg Gas, Light and Water Company; Eastern Power Company, Limited; Light, Heat and Power Company of Lindsay; Napanee Gas Company, Limited; Napanee Water and Electric Company; Northumberland Pulp Company, Limited; Peterboro Radial Railway Company; Port Hope Electric Light and Power Company; Seymour Power and Electric Company, Limited; Sidney Electric Power Company, Limited; Trenton Electric and Water Company, Limited; Tweed Electric Light and Power Company, Limited; Nipissing Power Company, and North Bay Light, Heat and Power Company, Limited; of these the last two are part of the Nipissing district, Northern Ontario Properties.

The *St. Lawrence district* is the most easterly district of the division. There are no developments owned by the Commission in this district, power being purchased from the Gatineau Power Company. It is delivered at 110 kv to the Commission's transformer station at Cornwall, where it is stepped down for transmission through the 44 kv network to the various municipalities.

The *Rideau district* comprises the area between the Central Ontario and the St. Lawrence districts. Power developed in the district is obtained from developments on the Mississippi river; 1,050 hp is also purchased from the Rideau Power Company.

The *Ottawa district* comprises a section of the municipality of Ottawa and adjacent territory. Power first delivered by Commission in July, 1907, subsequent to purchase by municipality, in 1905, from Consumers Electric Company, of distributing system. Three-phase, 60-cycle power is purchased from Ottawa and Hull Power and Manufacturing Company at 11 kv and delivered directly to the municipality.

The *Madawaska district* comprises municipalities in the lower Madawaska and Mississippi and neighbouring Ottawa river valleys. Original developments were made by M. J. O'Brien Company, Limited and its subsidiary, the Galetta Electric Power and Milling Company, Limited. The interests and properties of this company were taken over by the Commission and operation assumed May 31, 1929. Power is obtained from developments on the Madawaska and Mississippi rivers, the transmission voltage on the former being 33 kv, and on the latter 11 kv. The two networks are tied together through transformers at Arnprior transformer station.

TRANSMISSION LINES—110 kv = 443.37 miles, 44 kv = 629.44 miles, 33 kv = 101.36 miles, 26.4—6.6 kv = 88.12 miles.

TRANSFORMER STATIONS—Total capacity in 86 stations owned by the Commission = 404,592 kva as follows: 16—step-up 140,000 kva; 8—step-down 154,000 kva; and 62—distributing 110,592 kva.

Sidney Generating Station

Situated at Dam No. 2, on Trent river. Formerly property of Electric Power Company. In operation 1911. Commission assumed control 1916. Power house and intake integral with dam. Average operating head, 18.5 ft.

Turbines—Four 1,400 hp Boving, Francis type, vertical shaft, 120 rpm. Total capacity, 5,600 hp.

Auxiliary Turbine—One 110 hp Boving, Francis type.

Generators—Four 937.5 kva Swedish General Electric Company, 3-phase, 60-cycles, 6,600 volts, direct connected to turbines. Total capacity, 3,750 kva.

Exciters—One 75 kw, turbine driven, one 75 kw, motor driven, Swedish General Electric Company, 125 volts.

Transformers—Three banks = three 3,000 kva Canadian Westinghouse Company, 3-phase, 6.6 to 44 kv. Total capacity, 9,000 kva.

Frankford Generating Station

Situated at Dam No. 5, on Trent river. Formerly property of Electric Power Company. In operation 1913. Commission assumed control 1916. Power house and intake integral with dam. Average operating head, 17 ft.

Turbines—Four 1,200 hp Boving, Francis type, vertical shaft, 112.5 rpm. Total capacity, 4,800 hp.

Auxiliary Turbine—One 100 hp Boving, Francis type.

Generators—Four 812.5 kva Swedish General Electric Company, 3-phase, 60-cycles, 6,600 volts, direct connected to turbines. Total capacity, 3,250 kva.

Exciters—One 75 kw, turbine driven, one 75 kw, motor driven, Swedish General Electric Company, 125 volts.

Transformers—Power fed at generator voltage to step-up transformers at Sidney transformer station.

Sills Island Generating Station

Situated on the Trent river at Frankford. Formerly property of the Quinte and Trent Valley Power Company. Commission assumed control in 1937. Operating head, 14 ft.

Turbines—Two 1,400 hp S. Morgan Smith-Inglis Company, propeller type, vertical shaft, 120 rpm. Total capacity, 2,800 hp.

Generators—One 1,200 kva Swedish General Electric Company, 60-cycle, 6,600 volts, 600 rpm, horizontal shaft, connected through 1-5 ratio gears to turbine. One 1,200 kva Canadian General Electric Company, 3-phase, 60-cycle, 6,600 volts, 120 rpm, direct connected to turbine. Total capacity, 2,400 kva.

Exciters—One 15 kw, 125 volts, direct connected to generator, Swedish General Electric Company; two 30 kw motor generators, Canadian General Electric Company.

Transformers—One 3,000 kva, 3-phase, 6.6 to 44 kv, Canadian General Electric Company.

Meyersburg Generating Station

Situated at Dam No. 8, on Trent river, about four miles below Campbellford. Constructed by Commission. In operation October, 1924. Remote supervisory control from Ranney Falls plant, about three miles up-stream includes fifty-seven possible supervisory operations, and indications of operating conditions at plant. Power house and intake integral with dam. Average operating head, 32 ft.

Turbines—Three 2,200 hp Allis-Chalmers, Francis type, vertical shaft, 150 rpm. Total capacity, 6,600 hp.

Generators—Three 2,000 kva Swedish General Electric Company, 3-phase, 60-cycles, 6,600 volts, direct connected to turbines. Total capacity, 6,000 kva.

Exciters—Three 31 kw Swedish General Electric Company, 115 volts, direct connected to generators.

Transformers—Three banks = three 2,000 kva Packard Electric Company, 3-phase, 6.6 to 44 kv. Total capacity, 6,000 kva.

Hague's Reach Generating Station

Situated at Dam No. 9 on Trent river, about 2¼ miles below Campbellford. Constructed by Commission. In operation March, 1925. Remote supervisory control from Ranney Falls plant, with duplicate equipment to that at Meyersburg plant. Power house and intake integral with dam. Average operating head, 22.5 ft.

Turbines—Three 1,600 hp Allis-Chalmers, propeller type, vertical shaft, 180 rpm. Total capacity, 4,800 hp.

Generators—Three 1,400 kva Canadian Westinghouse Company, 3-phase, 60-cycles, 6,600 volts, direct connected to turbines. Total capacity, 4,200 kva.

Exciters—Three 30 kw Canadian Westinghouse Company, 125 volts, direct connected to generators.

Transformers—Three banks = three 1,350 kva Moloney Electric Company, 3-phase, 6.6 to 44 kv. Total capacity, 4,050 kva.

Ranney Falls Generating Station

Situated at Dam No. 10 on Trent river, about one mile below Campbellford. Constructed by Commission. In operation August, 1922. Power house and intake integral with dam. Average operating head, 47 ft.

Turbines—Two 5,000 hp Boving, Francis type, vertical shaft, 120 rpm. Total capacity, 10,000 hp.

Generators—Two 4,500 kva Canadian General Electric Company, 3-phase, 60-cycles, 6,600 volts, direct connected to turbines. Total capacity, 9,000 kva.

Exciters—Three 50 kw Canadian General Electric Company, 125 volts, two direct connected to generators, one motor driven.

Transformers—Two banks = two 4,500 kva Canadian General Electric Company, 3-phase, 6.6 to 44 kv. Total capacity, 9,000 kva.

Campbellford—Ranney Falls Generating Station, Unit No. 3

Situated on the Trent river, two miles downstream from Campbellford. This unit was formerly a separate development near the main plant, drawing its water supply from the same forebay by a canal and pipe line. Formerly property of the Quinte and Trent Valley Power Company. Commission assumed control in 1937. Operating head, 47 ft.

Turbine—One 1,000 hp William Hamilton, Francis type, vertical shaft, 360 rpm.

Generator—One 900 kva Swedish General Electric Company, 3-phase, 60-cycle, 600-volt, direct connected to turbine.

Exciter—8 kw, Swedish General Electric Company, 125-volt, direct connected to generator.

Transformer—One 750 kva Canadian General Electric Company, 3-phase, .6 to 44 kv.

Seymour Generating Station

Situated at Dam No. 11 on Trent river, about 1½ miles up stream from Campbellford. Formerly property of Electric Power Company. In operation 1910. Commission assumed control, 1916. Power house and intake integral with dam. Average operating head, 23 ft.

Turbines—Five 1,100 hp William Kennedy, Francis type, vertical shaft, 150 rpm. Total capacity, 5,500 hp.

Auxiliary Turbine—One 110 hp William Kennedy, Francis type.

Generators—Five 750 kva Canadian General Electric Company, 3-phase, 60-cycles, 2,400 volts, direct connected to turbines. Total capacity, 3,750 kva.

Exciters—One 60 kw, turbine driven, one 75 kw, motor driven, Canadian General Electric Company, 125 volts.

Transformers—Two banks = 3,000 kva Canadian Westinghouse Company, 3-phase, 2.4 to 44 kv. Total capacity, 6,000 kva.

Heely Falls Generating Station

Situated at Dam No. 14 on Trent river, about five miles up stream from Campbellford. Formerly property of Electric Power Company. In operation 1913. Commission assumed control 1916. Water conveyed from head works through three steel penstocks to turbines. Average operating head, 74 ft.

Turbines—Two 5,600 hp Escher Wyss; one 5,600 hp Wellman-Seaver-Morgan, Francis type, double runner, all horizontal shaft, 240 rpm. Total capacity, 16,800 hp.

Auxiliary Turbine—One 300 hp Escher Wyss, Francis type.

Generators—Two 3,750 kva Canadian General Electric Company; one 3,750 kva Swedish General Electric Company, 3-phase, 60-cycles, 6,600 volts, direct connected to turbines. Total capacity, 11,250 kva.

Exciters—Two 160 kw Canadian General Electric Company, 125 volts, one turbine and one motor driven.

Transformers—Three banks = three 3,750 kva Canadian Westinghouse Company, 3-phase, 6.6 to 44 kv. Total capacity, 11,250 kva.

Auburn Generating Station

Situated at Dam No. 18 on Otonabee river, near the city of Peterboro. Formerly property of Electric Power Company. In operation 1911. Commission assumed control 1916. Power house and intake integral with dam. Average operating head, 18.5 ft.

Turbines—Three 960 hp William Hamilton, Francis type, horizontal shaft, 150 rpm. Total capacity, 2880 hp.

Auxiliary Turbine—One 135 hp William Hamilton, Francis type.

Generators—Three 625 kva Canadian General Electric Company, 3-phase, 60-cycles, two 6,600 volts, one 2,400 volts, direct connected to turbines. Total capacity, 1,874 kva.

Exciters—One 135 kw, turbine driven, one 90 kw, motor driven, Swedish General Electric Company, 125 volts.

Transformers—One bank = three 200 kva Canadian General Electric Company, single-phase, 2.4 to 6.6 kv. Total capacity, 600 kva. Fed at 6.6 kv to Auburn transformer station, where it is stepped up through two 1,875 kva Canadian General Electric Company, 3-phase units, 6.6 to 44 kv.

Lakefield Generating Station

Situated on Otonabee river at village of Lakefield. Formerly property of Canada Cement Company. Commission assumed control in 1936. Operating head, 16 ft.

Turbine—One 2,300 hp Canadian Allis-Chalmers, propeller type, vertical shaft, 112.5 rpm.

Generator—One 2,500 kva Swedish General Electric Company, 3-phase, 60-cycle, 2,400-volt, direct connected to turbine.

Exciter—38 kw Swedish General Electric Company, 125-volt, direct connected to generator.

Transformers—Two 1,500 kva, 3-phase, 2.4 to 44 kv Packard Electric Company; two 2,000 kva, 3-phase, 10.5 to 2.4 kv, Canadian General Electric Company. Total capacity, 7,000 kva.

Fenelon Falls Generating Station

Situated at Dam No. 30, on the Sturgeon river at Fenelon Falls. Formerly property of Electric Power Company. In operation 1899. Commission assumed control 1916. Power house and intake integral with dam. Average operating head, 22.5 ft.

Turbines—Two 500 hp William Hamilton, Francis type, horizontal shaft, 200 rpm. Total capacity, 1,000 hp.

Generators—Two 400 kva Canadian General Electric Company, 3-phase, 60-cycles, 600 volts, direct connected to turbines. Total capacity, 800 kva.

Exciter—One 20 kw Canadian General Electric Company, 125 volts, direct turbo drive.

Transformers—Two banks = Six 135 kva and one = 750 kva three-phase Canadian General Electric Company. Total capacity, 1,560 kva.

Galetta Generating Station

Situated on Mississippi river at Hubbells Falls, about four miles from Arnprior. Formerly property of Galetta Power and Milling Company. In operation 1907. Commission assumed control May, 1929. Power house and head works integral with dam. Average operating head, 22 ft.

Turbines—One 700 hp William Kennedy; one 700 hp Boving, Francis type, horizontal shaft, 240 rpm. Total capacity, 1,400 hp.

Auxiliary Turbines—Two 50 hp William Kennedy, Francis type.

Generators—Two 400 kva Canadian Westinghouse Company, 3-phase, 60-cycles, 2,300 volts, horizontal shaft, direct connected to turbines. Total capacity, 800 kva.

Exciters—Two 30 kw Canadian Westinghouse Company, 125 volts, turbine driven.

Transformers—One bank = three 400 kva Packard Electric Company, 2.3 to 33 kv, two 125 kva, two 60 kva Canadian Westinghouse Company single-phase, 2.3 to 11 kv. Total capacity, 1,570 kva.

Carleton Place Generating Station

Situated on Mississippi river at Carleton Place. Formerly property of H. Brown and Sons. In operation 1910. Purchased by Commission, May, 1919. Operation discontinued, June, 1920. Renovated and operated as standby since that date. Average operating head, 10.5 ft.

Turbines—Three 283 hp William Hamilton, Francis type, vertical shaft. Total capacity, 849 hp.

Generators—One 150 kva, one 250 kva Canadian General Electric Company, 3-phase, 60 cycles, 2,300 volts, direct connected to turbines. Total capacity, 400 kva.

Exciters—Two 7 kw Canadian General Electric Company, belt driven.

Transformers—Power fed at generator voltage to low voltage bus in Carleton Place distributing station.

High Falls Generating Station

Situated on the Mississippi river, at High Falls, immediately above Dalhousie lake. Constructed by Commission. In operation May, 1920. Water conveyed from head works through wood stave pipe to turbines. Average operating head, 78 ft.

Turbines—Three 1,240 hp William Hamilton, Francis type, horizontal shaft, 300 rpm. Total capacity, 3,720 hp.

Generators—Four 350 kva, two per turbine, one 875 kva General Electric Company, 3-phase, 60-cycles, 4,400 volts, direct connected to turbines. Total capacity, 2,275 kva.

Exciters—Three 25 kw General Electric Company, belt driven.

Transformers—Three banks = three 750 kva Packard Electric Company, 3-phase, 4.16 to 25.4 kv. Total capacity, 2,250 kva.

Calabogie Generating Station

Situated on Madawaska river, at lower end of Calabogie lake. Formerly property of M. J. O'Brien, Limited. In operation 1917. Commission assumed control May, 1929. Power house and head works integral with dam. Average operating head, 30 ft.

Turbines—Two 3,000 hp Allis-Chalmers, Francis type, horizontal shaft, 164 rpm. Total capacity, 6,000 hp.

Auxiliary Turbine—One 200 hp Allis-Chalmers, Francis type.

Generators—Two 2,500 kva Allis-Chalmers, 3-phase, 60-cycles, 6,600 volts, direct connected to turbines. Total capacity, 5,000 kva.

Exciters—Two 120 kw Allis-Chalmers, 125 volts, one belted to main unit, one turbine driven.

Transformers—One bank = three 2,000 kva Westinghouse Electric and Manufacturing Company, single-phase, 6.6 to 33 kv. Total capacity, 6,000 kva.

Barrett Chute Generating Station

Situated on the Madawaska river about seven miles South-west of Calabogie. Constructed by Commission and placed in service August 1942. Gross head 154 feet.

Turbines—Two 28,000 hp Canadian Allis-Chalmers, Francis type, vertical shaft, 163.6 rpm. Total capacity, 56,000 hp.

Generators—Two 24,000 kva Canadian General Electric Company, 3-phase, 60-cycles, 13,200 volts, direct connected to turbines. Total capacity, 48,000 kva.

Exciters—Two 145 kw, 250 volts, and two 7 kw, 250 volts, direct connected to generators, Canadian General Electric Company.

Transformers—Two banks = 24,000 kva English Electric Company, 3-phase, 13.2 to 110 kv. Total capacity, 48,000 kva.

THUNDER BAY SYSTEM

General—This system serves that portion of the district of Thunder Bay adjacent to lake Superior, and includes the lake-head cities of Port Arthur and Fort William. Power is obtained from developments on the Nipigon river. The system also supplies power to the Steep Rock iron mines and the Long Lac mining area.

Transmission Lines—110 kv = 260.33 miles, 44 kv = 113.81 miles, 22 kv = 8.05 miles, 12 kv = 1.45 miles.

Transformer Stations—Total capacity in 11 stations owned by the Commission = 206,050 kva as follows: 2—step-up 125,000 kva; 9—step-down 81,050 kva.

Alexander Generating Station

Situated on Nipigon river, about 1½ miles below Cameron Falls station, and remote controlled from that point. Constructed by Commission. First unit in operation October, 1930; second unit, December, 1930; third unit, March, 1931; fourth unit being installed, 1945. Water conveyed through short intake canal to head works at power house. Head pond created by large earth dam, dykes and concrete sections. Normal operating head, 60 ft.

Turbines—Three 18,000 hp S. Morgan Smith-Inglis, Francis type, vertical shaft, 100 rpm. Total capacity, 54,000 hp.

Generators—Three 15,000 kva Canadian General Electric Company, 3-phase, 60-cycles, 12,000 volts, direct connected to turbines. Total capacity, 45,000 kva.

Exciters—Three 165 kw Canadian General Electric Company, 250 volts, direct connected to main units.

Transformers—Three banks = three 15,000 kva Canadian General Electric Company, 3-phase, 12 to 110 kv. Total capacity, 45,000 kva.

Cameron Falls Generating Station

Situated at Cameron Falls, on the Nipigon river. Constructed by the Commission, and first unit placed in operation in December, 1920. Power house and head works integral with dam. Water conveyed from head works to turbine through reinforced concrete intake pipes, three for each unit, approximately 50 ft. in length and 13 ft. by 10 ft. in cross section. Normal operating head, 72 ft.

Turbines—Two 12,500 hp I. P. Morris; two 12,500 hp Allis-Chalmers; two 12,500 hp Canadian Vickers, all Francis type, vertical shaft, 120 rpm. Total capacity, 75,000 hp.

Generators—Two 10,600 kva Canadian Westinghouse Company; four 10,600 kva Canadian General Electric Company, 3-phase, 60-cycles, 12,000 volts, direct connected to turbines. Total capacity, 63,600 kva.

Exciters—Six 125 kw direct connected to main generators; one 125 kw, motor driven.

Transformers—Three banks = nine 8,000 kva Canadian General Electric Company, single-phase, 12 to 63.5 kv to operate 110 kv, star connected. One bank = three 1,500 kva Canadian Westinghouse Company, single-phase, 12 to 44 kv. Total capacity, 76,500 kva.

NORTHERN ONTARIO PROPERTIES

GENERAL—Held and operated by The Hydro-Electric Power Commission in trust for the Province of Ontario. Five independant districts serve mining areas in northern Ontario.

The *Abitibi district* comprises the area that can be served from a 132 kv transmission line extending from the Abitibi Canyon power development to Sudbury. Power at 25 cycles is transmitted from developments on the Abitibi river to Northern Ontario Mining districts and the International Nickel Company.

The *Sudbury district* serves the territory adjacent to the city of Sudbury, including the mining area known as Sudbury Basin. Power is obtained from developments on the Wanapitei river. Power rights and plant formerly owned by the Wahnapitae Power Company. Control assumed by Commission April, 1930.

The *Nipissing district* includes municipalities lying immediately to the east of lake Nipissing. Power is obtained from developments on the South river. Power rights and plant formerly owned by Nipissing Power Company, controlled by Electric Power Company, Limited. Commission assumed control March, 1916, when the latter Company and all its subsidiaries were acquired by the Ontario Government.

The *Patricia district* combines the Patricia and St. Joseph districts. The former was established to supply power to the Red Lake mining district. Power is obtained from a development on the English river. The latter was established to supply power to Central Patricia and Pickle Crow Mining Companies. Power is obtained from a development on the Albany river.

The *Rainy River district* serves the Steep Rock iron mines by a transmission line 120 miles long, west of Port Arthur. Power is obtained from developments on the Nipigon river of the Thunder Bay system. See above.

TRANSMISSION LINES—132 and 110 kv = 718.97 miles, 44 kv = 343.59 miles, 26.4—12.3 kv = 308.84 miles.

TRANSFORMER STATIONS—Total capacity in 39 stations operated by the Commission = 432,775 kva as follows: 10—step-up 249,800 kva; 29—step-down 182,975 kva.

ABITIBI DISTRICT

Abitibi Canyon Generating Station

Situated on the Abitibi river approximately seventy miles north of Cochrane. Formerly property of the Ontario Power Service Corporation. Commission assumed control April, 1933, and completed installation of two generators which were placed in operation in May and December, 1933; one unit installed in 1935; final two units installed in 1936. Unit No. 3 was dismantled and re-installed at DeCew Falls, 25-cycle plant. Water conveyed from head works to turbines through steel-plate penstocks, 18 ft. in diameter. Normal operating head, 237 ft.

Turbines—Four 66,000 hp Canadian Allis-Chalmers, Francis type, vertical shaft, 150 rpm. Total capacity, 264,000 hp.

Auxiliary Turbine—One 600 hp Canadian Allis-Chalmers, Francis type, 750 rpm.

Generators—Four 48,500 kva Canadian General Electric Company, 3-phase, 25-cycle, 13,800 volts, direct connected to turbines. Total capacity, 194,000 kva.

Auxiliary Generator—One 500 kva Canadian General Electric Company.

Exciters—Four 180 kw, 250 volt, direct connected to generators.

Pilot Exciters—Four 7 kw, 250 volts, direct connected to exciters.

Transformers—Four banks = twelve 16,000 kva Canadian General Electric Company, single-phase, 13.8 to 76.2 kv to operate at 132 kv star connected. Total capacity, 192,000 kva.

SUDBURY DISTRICT

McVittie Generating Station

Situated on Wanapitei river, approximately 26 miles from Sudbury. Formerly property of Wahnapitae Power Company. In operation 1912. Commission assumed control April, 1930. Water conveyed through canal to head works, steel penstocks to turbines. Average operating head, 38 ft.

Turbines—Two 1,800 hp William Kennedy, Francis type, horizontal shaft, 257 rpm. Total capacity, 3,600 hp.

Auxiliary Turbine—One 75 hp William Kennedy, Francis type.

Generators—Two 1,250 kva Canadian General Electric Company, 3-phase, 60-cycles, 2,300 volts, direct connected to turbines. Total capacity, 2,500 kva.

Exciters—Two 75 kw Canadian General Electric Company, one direct connected to auxiliary turbine, one motor driven.

Transformers—One bank = three 625 kva Canadian General Electric Company, single-phase, 2.3 to 23 kv. Total capacity, 1,875 kva.

Coniston Generating Station

Situated on Wanapitei river, approximately ten miles east of Sudbury. Formerly property of Wahnapitae Power Company. In operation 1905. Commission assumed control April, 1930. Water conveyed through canal to head works, steel penstocks to turbines. Average operating head, 53 ft.

Turbines—One 1,200 hp, one 1,600 hp, each 300 rpm, Jenckes; one 3,500 hp, 257 rpm, Allis-Chalmers, all Francis type, horizontal shaft. Total capacity, 6,300 hp.

Auxiliary Turbines—One 35 hp, one 70 hp Jenckes, Francis type. Total capacity, 105 hp.

Generators—One 800 kva, one 1,250 kva, one 2,500 kva Canadian General Electric Company, 3-phase, 60-cycles, 2,300 volts, direct connected to turbines. Total capacity, 4,550 kva.

Exciters—One 25 kw, one 55 kw, turbine driven, one 100 kw, motor driven, Canadian General Electric Company.

Transformers—Two banks = six 800 kva Canadian General Electric Company, single-phase, 2.3 to 23 kv; one 8,000 kva, three-phase, 24 to 110 kv, English Electric Company. Total capacity, 12,800 kva.

Stinson Generating Station

Situated on Wanapitei river, approximately eight miles up stream from Coniston generating station. Formerly property of Wahnapitae Power Company. In operation 1925. Commission assumed control April, 1930. Water conveyed through canal to head works, steel penstocks to turbines. Average operating head, 52.5 ft.

Turbines—Two 3,500 hp Allis-Chalmers, Francis type, horizontal shaft, 240 rpm. Total capacity, 7,000 hp.

Auxiliary Turbine—One 150 hp Allis-Chalmers, Francis type.

Generators—Two 2,500 kva Canadian General Electric Company, 3-phase, 60-cycles,, 2,300 volts, direct connected to turbines. Total capacity, 5,000 kva.

Exciters—One 100 kva turbine driven, one 100 kva, motor driven, Canadian General Electric Company, 125 volts.

Transformers—One bank = three 1,667 kva Canadian General Electric Company, single-phase, 2.3 to 23 kv. Total capacity, 5,000 kva.

Crystal Falls Generating Station

Situated on the Sturgeon river about ten miles up stream and north of the town of Sturgeon Falls. Formerly property of the Abitibi Power and Paper Company. Commission assumed control in August, 1937. Power house integral part of dam. Normal operating head, 33 ft.

Turbines—Four 2,600 hp I .P. Morris, Francis type, vertical shaft, 138.5 rpm. Total capacity, 10,400 hp.

Generators—Four 2,125 kva Westinghouse Electric Company generators, 3-phase, 60-cycle, 2,300 volt, direct connected to turbines.

Exciters—One 68 kw, 125 volt, motor driven, Canadian Westinghouse Company.

Transformers—One bank = three 3,000 kva Canadian Westinghouse Company, single-phase, 2.3 to 22 kv; one bank = one 8,000 kva English Electric Company, 3-phase, 24 to 110 kv. Total capacity, 17,000 kva.

NIPISSING DISTRICT

Nipissing Generating Station

Situated on the South river, about 1½ miles from the village of Nipissing. Formerly the property of Nipissing Power Company. Control assumed by Commission March, 1916. Water conveyed to plant through canal, wood stave pipe line and steel penstock provided with surge tank. Average operating head, 90 ft.

Turbines—Two 1,250 hp Jenckes Machine Company, Francis type, horizontal shaft, 450 rpm. Total capacity, 2,500 hp.

Generators—One 1,400 kva Canadian Westinghouse Company; one 1,250 kva Swedish General Electric Company, 3-phase, 60-cycles, 2,300 volts, direct connected to turbines. Total capacity, 2,650 kva.

Exciters—One 17.5 kw Swedish General Electric Company, 115 volts; one 21 kw Canadian Westinghouse Company, 125 volts, direct connected to main generators; one 37½ kw motor driven.

Transformers—One bank = three 900 kva Packard Electric Company, single phase, 2.3 to 22 kv. Total capacity, 2,700 kva.

Bingham Chute Generating Station

Situated on South river, about two miles from Powassan. Constructed by Commission. In operation December, 1923. Water conveyed to plant through wood stave pipe line. Average operating head, 47 ft.

Turbines—Two 650 hp William Kennedy, Francis type, horizontal shaft, 450 rpm. Total capacity, 1,300 hp.

Generators—Two 450 kva Canadian Westinghouse Company, 3-phase, 60-cycles, 2,200 volts, direct connected to turbines. Total capacity, 900 kva.

Exciters—Two 12.5 kw Canadian Westinghouse Company, direct connected to generators.

Transformers—One bank = three 300 kva Canadian Westinghouse Company, single-phase, 2.2 to 22 kv. Total capacity, 900 kva.

Elliott Chute Generating Station

Situated on South river, approximately 1½ miles up stream from Bingham Chute plant. Constructed by Commission. In operation October, 1929. Semi-automatic. Remote controlled from Bingham Chute station. Water conveyed to plant through wood stave pipe line. Average operating head, 39 ft.

Turbine—One 1,800 hp S. Morgan Smith-Inglis Company, propeller type, vertical shaft, 327 rpm.

Generator—One 1,800 kva Swedish General Electric Company, 3-phase, 60-cycles, 2,300 volts, direct connected to turbine.

Exciter—One 22 kw Swedish General Electric Company, direct connected, 125 volts.

Transformers—One bank = three 650 kva English Electric Company, single-phase, 2.3 to 23 kv. Total capacity, 1,950 kva.

PATRICIA DISTRICT

Ear Falls Generating Station

Situated at Ear Falls on the English river. Constructed by Commission. In operation December, 1929. Water conveyed from Lac Seul conservation dam to power house through four wood stave pipes and two concrete conduits. Normal operating head, 36 ft.

Turbines—One 5,000 hp, propeller type, 180 rpm, Dominion Engineering Works; one 5,000 hp, propeller type, 180 rpm, and one 7,500 hp, Kaplan type, 150 rpm, Morgan-Smith-Inglis; all vertical shaft. Total capacity, 17,500 hp.

Generators—One 5,000 kva, one 6,000 kva Canadian Westinghouse Company; one 4,500 kva Ateliers de Construction Oerlikon, 3-phase, 60-cycles, 6,600 volts, all direct connected to turbines. Total capacity, 15,500 kva.

Exciters—One 65 kw, one 75 kw, and one 5 kw pilot, 125 volt, direct connected, Canadian Westinghouse Company; one 48 kw, 125 volt, Ateliers de Construction Oerlikon, direct connected.

Transformers—One bank = three 750 kva, single-phase, English Electric Company; one bank = three 750 kva, single-phase, Commonwealth Electric Corporation; one bank = three 1,500 kva, single-phase, Moloney Electric Company; one bank = three 2,000 kva, single-phase, Packard Electric Company. Total capacity, 15,000 kva.

Rat Rapids Generating Station

Situated at Rat Rapids at the outlet of lake St. Joseph, on the Albany river. Constructed by Commission. In operation March, 1935. Concrete turbine chamber and generating room substructure. Rock filled timber crib dams. Average operating head, 14.5 ft.

Turbine—One 1,750 hp Dominion Engineering Works, propeller type, vertical shaft, 128.5 rpm.

Generator—One 1,500 kva Canadian General Electric Company, 3-phase, 60-cycles, 2,300 volts, direct connected to turbine.

Exciters—One 32 kw and one 2.5 kw pilot exciter direct-connected, Canadian General Electric Company.

Transformers—One bank = three 333 kva Packard Electric Company, 6.6 to 22 kv, single-phase; one bank = three 500 kva Packard Electric Company, 2.3 to 22 kv, single-phase. Total capacity, 2,500 kva.

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PROVINCIAL AUDITOR'S REPORT

1943-44

PRINTED BY ORDER OF
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ONTARIO

TORONTO
Printed and Published by T. E. Bowman
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1945

TO THE HONOURABLE ALBERT MATTHEWS,
Lieutenant-Governor of the Province of Ontario

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to present to Your Honour the Report of the Provincial Auditor for the year ended March 31st, 1944.

Respectfully submitted,

LESLIE M. FROST,
Treasurer

Treasury Department, Ontario
January 10th, 1945

Provincial Auditor's Office,
January 10th, 1945

To The Honourable Leslie M. Frost,
Provincial Treasurer

Sir:

I have the honour to submit, for the information of the Legislative Assembly, my report for the year ended March 31st, 1944, in accordance with the requirements of The Audit Act.

Respectfully submitted,

H. A. Cotnam, C.A.,
Provincial Auditor

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(A)

TREASURY BOARD MINUTES

(A)

TREASURY BOARD MINUTES

STATEMENT OF TREASURY BOARD MINUTES ISSUED FOR EXPENDITURES IN EXCESS OF APPROPRIATIONS, DURING THE FISCAL YEAR ENDED MARCH 31st, 1944

Department of Agriculture

	WARRANT	EXPENDED
Main Office:		
Salaries	$ 1,049 00	$ 1,048 77
Removal Expenses of Officials	500 00	26 48
War Emergency, Expenses *re* Farm Service Force, etc.	25,000 00	11,608 07
Live Stock Branch:		
Salaries	2,103 00	2,102 28
Expenses *re* T.B. Testing Work	7,200 00	4,830 22
Institutes Branch: Salaries	235 00	234 74
Dairy Branch: Salaries	580 00	578 73
Fruit Branch:		
Salaries	750 00	749 04
Horticultural Experiment Station, Vineland— Services, Travelling and Other Expenses	500 00	499 86
Agricultural Representatives Branch: Salaries	231 75	231 22
Ontario Veterinary College, Guelph: Salaries	2,700 00	2,664 77
Western Ontario Experimental Farm, Ridgetown:		
Purchase of Stock and Equipment, etc.	3,000 00	2,595 87
Demonstration Farm, New Liskeard:		
Salaries	75 00	75 00
Maintenance, Wages, Equipment, etc.	105 00	103 53

Department of Attorney-General

Main Office: General Litigation and Legal Services	5,000 00	3,974 27
Supreme Court of Ontario: Registrar's Office, Salaries	4,500 00	3,170 95
Shorthand Reporters:		
Salaries, including Allowance in Lieu of Stationery	600 00	535 16
Services Reporting and Travelling Expenses	500 00	117 05
Toronto and York Crown Attorney's Office: Salaries	500 00	355 00
Criminal Justice Accounts:		
Annual Revision of Voters' Lists— Services and Expenses of County and District Court Judges.	400 00	241 06
Counties and Cities— Administration of Justice	10,000 00	9,636 89
Fire Marshal's Office: Travelling Expenses	1,500 00	516 03
Inspector of Legal Offices:		
Local Masters of Titles Offices—Expenses	300 00	182 80
Sheriffs and Local Registrars—Supplementing Incomes	2,932 48	2,932 48
Law Enforcement Branch:		
Ontario Provincial Police—Salaries	250,000 00	178,041 62
Ontario Securities Commission:		
Travelling Expenses	1,000 00	886 53
Maintenance	250 00	209 36

Department of Education

Main Office:		
Maintenance	1,000 00	968 60
Consolidation and Revision of Education Acts, etc.	700 00	674 89
Public and Separate School Education:		
Grants to Boards for Transportation of Pupils	3,000 00	2,862 97
Kindergarten Classes—Grants, etc.	2,200 00	2,100 40
Consolidated Schools—Grants, etc.	700 00	633 60
Grants—		
Ontario Educational Association	600 00	600 00
Cost of Education of French-speaking Deaf Children	150 00	150 00
Inspection of Schools Branch:		
Salaries	1,000 00	606 28
Travelling and Moving Expenses of Inspectors, etc.	20,000 00	13,399 50

	WARRANT	EXPENDED
Training Schools Branch:		
Travelling and Moving Expenses of Normal School Teachers	$ 500 00	$ 481 83
Normal Schools:		
Ottawa—Travelling Expenses	900 00	763 63
Peterborough—		
Travelling Expenses	100 00	29 41
Maintenance	500 00	239 43
High Schools and Collegiate Institutes Branch:		
Salaries	4,000 00	3,487 02
Maintenance	10,000 00	3,361 09
High School Boards for Non-resident Pupils and High School Grants—		
Boards without Schools	35,000 00	34,974 97
Public Libraries Branch—Salaries	700 00	575 27
Vocational Education Branch—Salaries	4,000 00	3,404 98
Provincial and Other Universities:		
Grants—		
Special to University of Toronto	400,000 00	400,000 00
Royal Ontario Museum	15,299 89	15,299 89
University of Western Ontario	250,000 00	250,000 00
Queen's University	250,000 00	250,000 00
University of Toronto—Special for Deficit Account	416,940 54	416,940 54

Department of Game and Fisheries

Wolf Bounty	7,000 00	6,545 77

Department of Health

Main Office:		
Cost-of-Living Bonus	3,500 00	2,070 26
Cancer Control—Salaries	700 00	350 00
Maternal and Child Hygiene, etc., Branch:		
Salaries	1,200 00	932 93
Travelling Expenses	800 00	771 97
Dental Service Branch:		
Salaries	1,500 00	1,001 50
Maintenance	3,000 00	2,065 81
Grants—for School Dental Service	2,000 00	1,158 44
Inspection of Training Schools for Nurses Branch:		
Services—Examination Board	800 00	669 00
Tuberculosis Prevention Branch:		
Travelling Expenses	2,200 00	2,151 64
Maintenance	5,000 00	4,874 14
Ottawa Unit—Maintenance	150 00	85 07
Belleville Unit—		
Salaries	800 00	418 70
Maintenance	1,500 00	1,498 89
North Bay Unit—Maintenance	600 00	509 41
Timmins Unit—		
Travelling Expenses	500 00	76 10
Maintenance	1,500 00	1,489 15
Fort William Unit:		
Travelling Expenses	400 00	199 07
Maintenance	100 00	16 42
Laboratory Branch:		
Salaries	20,000 00	16,949 94
Maintenance	13,000 00	9,263 42
Laboratory Divisions:		
Ottawa—		
Salaries	3,000 00	1,383 96
Travelling Expenses	500 00	58 95
Maintenance	4,000 00	797 66
Kingston—Salaries	2,000 00	694 08
Western University, London—Maintenance	2,000 00	1,865 81
Hospitals Branch:		
General Office—Unemployment Insurance Stamps	2,000 00	1,719 66
Grants, etc.—Canadian Red Cross Society	3,000 00	1,955 60
General Expenses—Ontario Hospitals—		
Clothing for Bailiffs Removing Patients	50 00	4 29
Removal Expenses of Officials	1,000 00	516 74

	WARRANT	EXPENDED
Hospitals Branch (*Cont'd*):		
Ontario Hospitals—		
Brockville—Maintenance	15,000 00	6,979 05
Hamilton—		
Salaries	9,000 00	2,000 56
Maintenance	70,000 00	67,204 97
Kingston—Maintenance	10,000 00	2,441 21
Langstaff—Maintenance	15,000 00	9,886 57
Langstaff—Concord Unit—Maintenance	5,000 00	2,062 67
London—Maintenance	80,000 00	79,254 93
New Toronto—Maintenance	25,000 00	24,811 44
Orillia Hospital School—Maintenance	17,000 00	9,577 73
Penetanguishene—Salaries	17,000 00	11,423 57
Toronto—Maintenance	30,000 00	29,948 63
Woodstock—Maintenance	10,000 00	8,791 25
Toronto Psychiatric—Maintenance	1,000 00	992 92
Department of Highways		
Main Office: Salaries	30,000 00	25,635 71
Municipal Roads Branch—Salaries	3,600 00	2,685 61
Department of Labour		
Main Office: Travelling Expenses	1,500 00	920 89
Boiler Inspection Branch:		
Salaries	3 27	3 27
Travelling Expenses	1,500 00	598 86
Board of Examiners of Operating Engineers: Maintenance	500 00	185 89
Department of Lands and Forests		
Main Office: Maintenance and Operating	5,000 00	3,584 71
Surveys Branch: Aerial Surveys, Salaries, etc	5,000 00	471 76
Field Operations (including Provincial Parks):		
Forest Protection and Timber Management Branches Basic Organization—Maintenance and Operating	168,000 00	166,029 40
Air Service Branch: Maintenance and Operating	90,000 00	84,620 81
Reforestation and Conservation Branch:		
Field Operations—Salaries	20,000 00	12,798 36
Department of Legislation		
Office of the Speaker:		
Clerks of Committees, Sessional Writers, etc	900 00	861 00
Maintenance	6,000 00	5,614 54
Office of the Legislative Counsel: Salaries	1,100 00	1,075 00
Office of Crown-in-Chancery: Salaries	450 00	300 00
Lieutenant-Governor's Office		
Cost-of-Living Bonus	3 74	3 74
Department of Municipal Affairs		
Main Office:		
Additional Subsidy for Municipalities, Northern Ontario	200,000 00	150,035 86
Ontario Municipal Board: Salaries	1,000 00	617 76
Department of the Prime Minister		
Main Office:		
Travelling Expenses	900 00	665 17
Maintenance	600 00	503 95
Office of Executive Council: Maintenance	50 00	36 67
Travel and Publicity Bureau: Salaries	1,550 00	1,548 04
Office of King's Printer: Salaries	125 00	122 44

Department of Provincial Secretary

	WARRANT	EXPENDED
Main Office: Travelling Expenses	$ 1,000 00	$ 847 60
Registrar-General's Branch:		
Travelling Expenses	550 00	302 93
Maintenance	6,000 00	5,554 88
Reformatories and Prisons Branch:		
Main Office—		
Maintenance	700 00	604 76
Unemployment Insurance Stamps	100 00	9 66
Grants—		
Schools—City of Guelph and Guelph Township	300 00	189 92
Training Schools	1,000 00	241 25
Ontario Reformatories—		
Guelph—		
Salaries	5,000 00	2,099 22
Maintenance	30,000 00	27,510 67
Mercer, Toronto—Salaries	1,000 00	324 39
Industrial Farm, Burwash—Industries	12,000 00	11,523 48
Ontario Training School for Boys, Bowmanville—		
Maintenance	7,500 00	7,161 52
Ontario Training School for Girls, Cobourg—		
Salaries	1,000 00	577 12
Maintenance	7,000 00	4,957 51

Department of Provincial Treasurer

Main Office:		
Salaries	5,000 00	4,792 70
Travelling Expenses	1,200 00	591 26
Maintenance	33,612 36	33,612 34
Unemployment Insurance Stamps	100 00	1 75
Controller of Revenue Branch:		
Salaries	22,000 00	21,863 75
Maintenance	2,000 00	694 32
Fees	2,000 00	1,528 70

Department of Public Welfare

Main Office: Salaries	2,000 00	1,904 75
Day Nurseries Branch: Salaries	1,500 00	988 41
Mothers' Allowances Commission: Medical Services	15,000 00	12,819 06
Old Age Pensions Commission:		
Pensions—Old Age and Blind	713,000 00	381,302 51
Medical Services	44,000 00	41,031 80

Department of Public Works

Main Office: Cost-of-Living Bonus	1,000 00	555 56
Public Buildings—Maintenance and Repairs:		
Lieutenant-Governor's Apartment—Salaries	1,500 00	1,471 92
Legislative and Departmental Buildings—		
Mechanical Staff—Repairs and Alterations	10,000 00	5,852 77
Osgoode Hall—Maintenance	2,000 00	1,037 23
District Buildings—Repairs and Alterations, etc.	2,000 00	145 22
Ontario Hospitals—		
St. Thomas—Farm Operating Expenses	15,000 00	14,161 32
Government Office Building, Kingston—Maintenance	400 00	373 96
Miscellaneous—Moving Patients, etc., of Provincial Institutions Leased to Dominion Government	40,000 00	34,959 33
Public Works—Municipal Drainage	7,500 00	1,160 50

Miscellaneous

Miscellaneous Refunds	100,000 00	9,665 02
Total Treasury Board Minutes	$3,758,346 03	$3,038,510 49

(B)

SPECIAL WARRANTS

(B)

SPECIAL WARRANTS

STATEMENT OF SPECIAL WARRANTS ISSUED DURING THE FISCAL YEAR ENDED MARCH 31st, 1944

DATE OF WARRANT	SERVICE	WARRANTS	EXPENDED 1943–44	UNEXPENDED
		$ c.	$ c.	$ c.
	Department of Agriculture			
May 27, 1943	Payment of a subsidy to farmers on clean wool produced in Ontario and marketed through licensed wool warehouses..........	110,000 00	109,393 10	606 90
July 29, 1943 Nov. 18, 1943	Payment of a subsidy to Ontario farmers on feed grain from Western Canada: Warrant........................$300,000 00 " 300,000 00	600,000 00	551,331 76	48,668 24
Sept. 28, 1943	Services and expenses of members of the Commission of Enquiry to investigate and make recommendations respecting agricultural affairs, and such other expenses as may be necessary in connection therewith..	10,000 00	9,999 25	75
Feb. 15, 1944	Expenditures *re* establishment of Ontario House, London, Eng...............................	225,000 00	223,400 00	1,600 00
	Department of Attorney-General			
Dec. 1, 1943	Reward for information leading to the arrest and conviction of the person or persons responsible for the death of John Borg..	2,000 00	2,000 00	....
Dec. 14, 1943	Supplementing income for 1935 of J. F. P. Belford, sheriff for the United Counties of Northumberland and Durham....	416 39	416 39	....
Jan. 28, 1944	Supplementing income for 1942 of G. R. McLennan, sheriff and local registrar of the Supreme Court for the County of Lanark...	308 98	308 98	....
	Department of Education			
Feb. 18, 1944	Expenses *re* survey and report upon the Cadet Training, Defence Training, Health and Physical Education courses in the schools of the Province.................	5,000 00	4,276 89	723 11
Feb. 21, 1944	University of Toronto School of Nursing—grant toward the increased cost of accommodation..................................	2,500 00	2,500 00	....
Feb. 21, 1944	Clarkson, Gordon, Dilworth and Nash, chartered accountants—in payment for special services *re* investigation into the Department of Education.......................	2,500 00	2,500 00	....

Date of Warrant	Service	Warrants	Expended 1943-44	Unexpended
		$ c.	$ c.	$ c.
	Department of Health			
May 27, 1943	Kirkland District Hospital Board—grant to aid in expenses of operation of their hospital, Kirkland Lake	10,000 00	10,000 00	....
June 15, 1943	The Runnymede Hospital, Toronto—grant to aid in the expenses of providing additional beds by alterations and conversion of the Strathcona School, Runnymede Rd., Toronto, for hospital purposes.	50,000 00	50,000 00	....
July 6, 1943	Les Soeurs de Misericorde de Montreal—grant to be applied in reducing the capital debt on St. Mary's-on-the-Lake Sanatorium	100,000 00	100,000 00	....
Nov. 18, 1943	St. Lawrence Sanatorium, Cornwall—grant toward the cost of building extensions	6,500 00	6,500 00	....
Dec. 1, 1943	The Extension Department, University of Toronto—for the purpose of paying part of the cost of an extension course in Town Planning	500 00	500 00	....
Feb. 21, 1944	Grants to aid in the extension of hospitals for incurables, and one general hospital in Northern Ontario	435,000 00	392,000 00	43,000 00
Feb. 21, 1944	Grants to aid in the extension of sanatoria	562,000 00	537,000 00	25,000 00
	Department of Highways			
	Township of Westmeath—part cost of certain road improvements made on the roads in the township during the year 1938, which was prior to the time when the said municipality had complied with the requirements of Sections 45, 46 and 47 of The Highway Improvement Act, Chap. 56, R.S.O. 1937:			
May 5, 1943	Warrant $2,028 55			
June 29, 1943	" 2,028 55	4,057 10	4,057 10	....
May 27, 1943	Township of Mersea—part cost of certain pavement laid on a road in or about the Village of Seacliffe, prior to the time when the said road became a King's Highway in 1931	4,257 75	4,257 75	....
June 29, 1943	Payment of road construction and maintenance on Long Point Park Rd., which passes through the Township of South Walsingham, in the County of Norfolk, approximately three miles in length, joining the property of the Long Point Park Commission with the township road west of the Village of Port Rowan; and for payment of construction and maintenance of roads within Rondeau Provincial Park, being approximately four and one-half miles of such roads....	3,000 00	2,693 98	306 02

DATE OF WARRANT	SERVICE	WARRANTS	EXPENDED 1943-44	UNEXPENDED
		$ c.	$ c.	$ c.
	Department of Labour			
May 5, 1943	J. L. Cohen—professional services	3,900 00	3,900 00	....
June 15, 1943	Expenses *re* administration of the Labour Court, established pursuant to The Collective Bargaining Act for Ontario, 1943.	25,000 00	13,430 42	11,569 58
Nov. 23, 1943	Continuation Committee, Recreation for War Workers' Conference, and Hamilton Recreation Council	1,816 00	908 00	908 00
	Department of Mines			
Oct. 27, 1943	Commission to investigate and report upon the fuel supply—honoraria, services, witness fees, expenses, etc	5,000 00	1,318 97	3,681 03
Nov. 18, 1943	Commission to enquire into mining industry—honoraria, services, witness fees, expenses, etc	10,000 00	8,616 90	1,383 10
	Department of Prime Minister			
July 13, 1943	Social Security Committee—services, grants and expenses	5,000 00	263 91	4,736 09
Nov. 18, 1943	The Toronto and District Business Men's Council—costs of erection, maintenance and dismantling tent for exhibition purposes at the Fair for Britain, Riverdale Park, Toronto, from August 1st to 29th, 1943	1,200 00	1,200 00	....
Feb. 21, 1944	Order of the Canadian Widows and Mothers of the Great War (Silver Cross Women of the British Empire)—in payment of a grant to complete purchase of their headquarters and to pay other indebtedness	5,000 00	5,000 00	....
	Department of Provincial Treasurer			
Dec. 13, 1943	Ontario Bureau of Statistics and Research—salaries, travelling expenses and maintenance	7,825 00	7,451 93	373 07
	Department of Public Welfare			
June 29, 1943	Wartime cost-of-living bonus of fifteen per centum of the amount of the pension paid under The Old Age Pensions Act (Ontario) to every person resident in Ontario who is in receipt of a pension granted by the Old Age Pensions Commission established under the said Act.	1,550,000 00	1,473,782 62	76,217 38
Feb. 18, 1944	Dr. Charlotte Whitton—services and travelling expenses *re* survey of the Department of Public Welfare	1,106 00	1,106 00	....

DATE OF WARRANT	SERVICE	WARRANTS	EXPENDED 1943-44	UNEXPENDED
		$ c.	$ c.	$ c.
	Department of Public Works			
	Ontario Hospital School, Orillia—construction of a new patients' building:			
Nov. 18, 1943	Warrant.........................$100,000 00			
Feb. 21, 1944	" 20,000 00	120,000 00	102,938 35	17,061 65
Jan. 25, 1944	Grant to the Town of Thessalon, District of Algoma, based on 75 per cent of the cost, or a total expenditure not to exceed $8,300.00, for the construction of a dam on the Little Thessalon River.	6,225 00	6,225 00	....
Feb. 21, 1944	Purchase and framing of a portrait of Hon. Gordon D. Conant, Prime Minister of Ontario from October 21st, 1942, to May 18th, 1943..	2,000 00	1,675 00	325 00
	Total Special Warrants................	3,877,112 22	3,640,952 30	236,159 92

REPORT FOR 1944

OF

The Workmen's Compensation Board
ONTARIO

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

ONTARIO

TORONTO
Printed and Published by T. E. BOWMAN, Printer to the King's Most Excellent Majesty
1945

THE HONOURABLE CHARLES DALEY,
MINISTER OF LABOUR,
PARLIAMENT BUILDINGS,
TORONTO, ONTARIO.

DEAR MR. DALEY,

I have the honour to submit herewith the Report of The Workmen's Compensation Board for the year 1944.

Yours very truly,

WM. MORRISON,
Chairman.

THE WORKMEN'S COMPENSATION BOARD

WILLIAM MORRISON, K.C.
Chairman

DR. D. J. GALBRAITH,
Vice-Chairman

JOHN F. CAULEY,
Commissioner

S. R. JOHNSTON,
Secretary

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REPORT FOR 1944

OF

The Workmen's Compensation Board

ONTARIO

Offices:
4th Floor, Canada Life Building,
330 University Ave., Toronto.

To His Honour the Lieutenant-Governor:

The Workmen's Compensation Board begs to submit its Report for the year 1944.

GENERAL REVIEW

During the year 1944 there were 123,820 accidents reported to the Board, as compared with 131,458 during 1943, a decrease of 7,638 or 5.5 per cent. The benefits awarded amounted to $12,485,599.95, as compared with $11,144,754.21 awarded during 1943. The increase in the benefits is attributed to the more generous allowances now provided by the Act, the lag from prior years in which the accidents sharply increased now maturing, and, to some extent, by a broadening of the application of the principles of the Act.

Schedule 1 Assessments and Receipts

During 1944 the pay roll covered by Schedule 1 of The Workmen's Compensation Act, that is that part of industry under collective liability, was $1,169,052,000, as compared with $1,076,780,000 during 1943, an increase of 8.6%. The average rate of assessment was $1.02 for each $100 of pay roll: the corresponding rate for 1943 was $1.03. There were 25,001 employers under Schedule 1 at December 31, 1944, as compared with 23,950 at the end of 1943.

Assessments paid for 1944 amounted to $10,696,820.12, and it is estimated a further $1,268,375.00 will be received as adjustment. The total assessment for 1944, therefore, on a provisional basis is $11,965,195.12. To this must be added $72,800.01, refunds from various sources, application of sections of the Act by way of penalty and other sources of income. The total receipts for the year were, therefore, $12,037,995.13.

Schedule 1 Benefits and Charges

The compensation and medical aid for Schedule 1 industries, including estimates for what is still to be awarded for accidents happening during the year and for prior years' accidents, amounted to $9,768,934.17. There were other outlays of $1,195,776.22, being $565,113.54 charged for administration (including $44,905.50 adjustment of prior years' expenses), $160,343.34 for other expenses of non-administrative character, $22,876.11 for mine rescue work, $328,033.65 grants to accident prevention associations organized under the Act, $106,999.96 for the Board's clinic, $11,208.25 for the special arrangements with The Toronto General Hospital, and $1,201.37 for outlays under Section 8 of the Act. The total expenditures and charges for the year, including liability for pneumoconiosis of $1,787,238.27, were $12,751,948.66.

Schedule 2 Industries During 1944

Schedule 2 industries are those in which the employer is individually liable for accidents to his workmen. Dominion Crown cases under the Act by Dominion legislation and Provincial Crown cases referred to the Board for adjustment are included.

The total amount of compensation awarded in Schedule 2 industries and Crown cases during 1944 was $2,278,793.00, as compared with $2,264,507.50 during 1943. Of this $2,278,793.00, $1,249,520.42 was for Dominion Crown cases and $113,410.40 was for Provincial Crown cases.

Employers in Schedule 2 and Crown are assessed their share of the expenses of administration of the Act. For 1944 that share amounted to $80,446.50.

Work Handled During 1944

During 1944 there were 116,381 accidents paid for, that is in which compensation or medical aid, or both, were paid. The 116,381 comprised 288 deaths, 2,191 permanent disability cases, 45,822 temporary disability cases, and 68,080 medical aid only cases. In addition, the Board in 1944 opened for further award 1,027 claims which had been settled previously. In all, 463,511 cheques were issued during 1944, an average of 1,550 daily, and there were 32,882 assessments made, including refunds. About 9,640 pieces of mail were handled daily and the average number of office callers was 116 a day.

Administration Expenses

The gross expenses of the Board were $814,704.62, of which $160,343.34 was for non-administrative services, that is, those services, mainly medical investigation or treatment, and as such in actuality a benefit rather than an administration cost, leaving the gross administration expenses of the Board for 1944 as $654,361.28. Of this amount, $80,446.50 is chargeable to Schedule 2 and Crown employers, $15,620.65 to Safety Associations, $27,089.90 to Silicosis Account, $1,089.34 to Mine Rescue work, $4,666.50 to Special Hospital Account, and $5,240.35 to Clinic. The balance, $520,208.04, is chargeable to Schedule 1, and is 5.10 per cent of the benefits awarded in Schedule 1 during 1944.

The Accident Fund

Schedule 1 funds are known and referred to as the "Accident Fund". They comprise, in addition to current funds out of which temporary payments of compensation, medical aid, administration expenses, clinic and special hospital items are paid, the Silicosis Account, Pension Fund, Disaster Reserve, Compensation Deferred, and Reserve for Depreciation of Securities, as well as funds to complete claims (including pneumoconiosis claims) for which final settlement has not been made. The balance, including adjustments to be made of 1944 assessments and other accounts receivable, is not a surplus, but is an operating reserve. This totals $4,966,244.14.

The total amount held unexpended or due of $51,434,706.29 is comprised of investments of $50,077,372.82; $7,962.14 cash in banks, and $1,349,371.33 receivable (including $1,268,375.00 adjustments on 1944 assessments).

Pension Fund

The purpose of the Pension Fund is to take care of future payments of pensions which have already been awarded. Actuarial tables, embodying the contingencies of death and remarriage, have been compiled to show for each age and kind of pension the average amount (sometimes referred to as capitalized value) necessary to complete pension payments. When a pension is awarded this average amount is transferred from the current funds to the Pension Fund. All payments of pensions are made from the Pension Fund. Since the amount transferred in any one instance is the average amount required, no re-transfer is made should a residue be left at the expiry of the pension, nor is any additional transfer made should the amount be exhausted before expiry of the pension.

The balance in the fund at the commencement of 1944 was $32,387,801.89. During the year $3,800,420.15 was transferred for pension awards; $1,648,316.44 interest was added, and $3,013,917.49 was paid for pensions. The balance in the fund at the end of the year was $34,822,620.99.

Disaster Reserve

The Disaster Reserve is a fund set aside under the provisions of Section 101 (2) of the Act to meet any unforeseen disaster or other circumstance which might unduly burden the employers in any class of industry. The amount held for this purpose as at December 31, 1944, was $236,248.27.

Reserve for Depreciation of Securities

The Reserve for Depreciation of Securities is made up of excess over book values when investments are sold and of interest received but not allocated to deferred obligations. It amounts to $892,698.96.

Reserve for Compensation Deferred

The funds under "Compensation Deferred" comprise compensation moneys held for claimants, payment being deferred to a future time by reason of the claimant's being a minor or for other reason. The amount so held as at December 31, 1944, was $230,646.07.

Silicosis Account

This reserve is to pay claims for silicosis in Class 5 which have been made but in which payments have not been made in full. The amount held is $3,836,713.86.

Reserve to Complete Claims

All continuing claims were evaluated at the end of the year and the amount estimated to bring them to finality. Allowance was made for unreported and unadjusted claims. The total amount as at December 31, 1944, was $4,662,295.73.

Reserve for Pneumoconiosis

The reserve for pneumoconiosis is to pay incurred losses for pneumoconiosis not already paid. The claims have been reported to the Board. The sum in reserve is $1,787,238.27.

Operating Reserve

At the end of 1944 the Board held $4,966,244.14 for unforeseen contingencies, and for the payment of claims, especially industrial diseases, which though not yet reported to the Board may and likely will be.

Dated at Toronto this 27th day of February, 1945.

WILLIAM MORRISON, Chairman.
D. J. GALBRAITH, Vice-Chairman.
J. F. CAULEY, Commissioner.

STATEMENT OF RECEIPTS AND PAYMENTS DURING 1944

Schedule 1

RECEIPTS

Cash in Banks, January 1, 1944:		
Canadian Bank of Commerce	$32,001.44	
Royal Bank of Canada	17,455.50	
Dominion Bank	487,963.72	
		$537,420.66
Net Assessments, Penalties, etc.:		
Gross Assessments	11,271,111.73	
Under Section 8	38,453.20	
Under Section 96	250.00	
Under Section 107	1,088.77	
Under Section 114	218.46	
From D.P. & N.H.	26,047.79	
Accident Cost Refunds	2,643.76	
From Province of Ontario for Blind Workmen	5,311.32	
	11,345,125.03	
Less:		
Assessments and Penalties Refunded	106,516.39	
		11,238,608.64
Silicosis Assessments	399,125.84	
Less Refunds	659.43	
		398,466.41
Interest:		
From Investments	2,003,758.69	
Exchange Premium	42,444.28	
From Bank Deposits	1,664.16	
		2,047,867.13
Investments:		
Principal returned (Includes net receipts on exchange of certain investments)	2,443,701.58	
Amount received in Excess of Book Value (not applied in reduction of concurrent purchases)	9,894.90	
		2,453,596.48
From Schedule 2 and Crown Employers for Administration Expenses, account of prior year, paid out of Schedule 1 in 1943		114,894.00
Refunds of Hospitalization		83,661.25
		$16,874,514.57

PAYMENTS

Compensation paid, other than Pensions and Compensation Deferred		$4,160,120.82
Pensions		3,013,917.49
Deferred Compensation		121,677.75
Rehabilitation		5,714.46
Medical Aid		1,865,070.10
Silicosis:		
Compensation	$197,489.44	
Rehabilitation	178.90	
Medical Aid	23,776.09	
Expenses	75,964.45	
		297,408.88
Under Section 8		1,201.37
Mine Rescue Work		21,786.77
Administration and other expenses		818,401.30
Safety Associations		312,413.00
Clinic Expenses		101,759.61
For Hospitalization		93,330.00
Investments (Includes net payments on exchange of certain investments)		6,053,750.88
Cash in Banks, December 31, 1944:		
Canadian Bank of Commerce	$2,171.78	
Royal Bank of Canada	3,538.01	
Dominion Bank	2,252.35	
		7,962.14
		$16,874,514.57

STATEMENT OF RECEIPTS AND PAYMENTS DURING 1944—Continued

Schedule 2

RECEIPTS		
Cash in Imperial Bank of Canada, January 1, 1944		$134,434.46
Employers' Deposits:		
Under Sec. 28	$416,688.13	
Under Sec. 32	1,830,249.44	
For Claimants' Moneys	7,245.00	
		2,254,182.57
Interest:		
From Investments	174,278.68	
Exchange Premium	2,092.43	
From Bank Deposits	704.22	
		177,075.33
Investments:		
Principal returned		307,209.10
		$2,872,901.46

PAYMENTS		
To Claimants out of Deposits under Section 28		$381,444.91
Deposits returned to Employers under Section 28		2,724.37
To Claimants out of Claimants' Moneys		7,332.72
Paid out of Deposits under Section 32:		
Compensation	$1,518,900.74	
Rehabilitation	696.00	
Medical Aid	206,033.61	
		1,725,630.35
Deposits returned to Employers under Section 32		69,182.88
Investments (Includes net payments on exchange of certain investments)		462,768.60
Cash in Imperial Bank of Canada, December 31, 1944		223,817.63
		$2,872,901.46

ANALYSIS OF ADMINISTRATION EXPENSES AND NON-ADMINISTRATIVE SERVICE OUTLAYS DURING 1944

	Administration expenses	Non-Administrative Service Outlays	Total
Salaries of Board and Staff	$456,952.81	$83,293.19	$540,246.00
Travelling Expenses of Board and Staff	55,881.66	4,980.80	60,862.46
Printing, Stationery, and Office Supplies	25,991.82	8,019.69	34,011.51
Postage and Excise Stamps	52,693.26	....	52,693.26
Telephone, Telegraph and Express	3,079.98	2,434.43	5,514.41
Legal Expenses, Witness Fees, etc	....	468.49	468.49
Claimants' Travelling Expenses and Medical Examinations	....	2,593.56	2,593.56
Insurance and Security Service	2,963.77	1,988.64	4,952.41
Auditor's Services, under instructions of Attorney-General	....	2,500.00	2,500.00
Office Rent	30,206.75	....	30,206.75
Permanent Equipment	5,659.94	....	5,659.94
Miscellaneous Services, Equipment Rental and Repairs	17,194.24	731.02	17,925.26
Meals for Staff when working overtime (nights, Saturday afternoons, etc.)	3,737.05	491.25	4,228.30
Contributions to Staff Pension Fund	....	52,842.27	52,842.27
TOTALS FOR 1944	$654,361.28	$160,343.34	$814,704.62

Charged to Mine Rescue Work	$1,089.34
Charged to Silicosis Account	27,089.90
Charged to Special Hospiral Account	4,666.50
Charged to Clinic Account	5,240.35
Charged to Safety Associations	15,620.65
Charged to Schedule 2 Employers	24,201.00
Charged to Dominion of Canada	53,175.00
Charged to Province of Ontario	3,070.50
Charged to Schedule 1 Employers	520,208.04
	$654,361.28

CLINIC ACCOUNT, 1944

Salaries	$38,283.59	
General Expense	15,057.63	
Car Fares	3,900.00	
Charged for Administration	5,240.35	
Travelling Expenses, Board, Lodging, Single Meals, and other expenses	47,565.84	
GROSS EXPENSES, 1944	$110,047.41	
Less Refunds	3,047.45	
TOTAL CLINIC EXPENSES, 1944		$106,999.96

SPECIAL ACCOUNT, TORONTO GENERAL HOSPITAL, 1944

Paid for Hospitalization		$93,330.00
Charged for Supervision		4,666.50
Received from Employers	$71,051.50	
Accounts Outstanding, Dec. 31, 1944	15,736.75	
Balance charged to Schedule 1 Employers	11,208.25	
	$97,996.50	$97,996.50

PAYMENTS TO SAFETY OR ACCIDENT PREVENTION ASSOCIATIONS, 1944

Association	Class	Total Payments	
Lumbermen's Safety Association	1	$41,000.00	
Ontario Pulp and Paper Makers' Safety Association	2	13,838.00	
Class 5 Accident Prevention Association	5	25,700.00	
Industrial Accident Prevention Associations	3, 4, 6, 7, 8, 9, 10, 11, 12, 13(0), 14, 15, 16, 17, 18, 19, 23(0)	154,000.00	
Class 20 Accident Prevention Association	20	28,000.00	
Ontario Highway Construction Safety Association	21	11,000.00	
Electrical Employers' Association of Ontario	22	5,875.00	
Construction Safety Association of Ontario	24	33,000.00	
		312,413.00	
Charge for supervision		15,620.65	
TOTAL CHARGED TO SCHEDULE 1			$328,033.65

STANDING SCHEDULE 1 ACCIDENT FUND AS AT DECEMBER 31, 1944

ASSETS		
Cash in Banks:		
Canadian Bank of Commerce	$2,171.78	
Royal Bank of Canada	3,538.01	
Dominion Bank	2,252.35	
		$7,962.14
Investments		50,077,372.82
Due for Administrative Expense:		
From Schedule 2 Employers	$25,857.00	
From Dominion of Canada	23,704.50	
From Province of Ontario	352.50	
		49,914.00
Assessments estimated to be due on adjustment of 1944 Pay Rolls		1,268,375.00
Accountable warrants to members of staff		6,716.25
Salary advances to members of staff		100.00
Due from staff for Victory Loan purchases, instalment plan terminating April 15, 1945		8,380.58
Due for hospitalization rendered in 1944 to be paid in 1945		15,885.50
		$51,434,706.29

LIABILITIES		
Compensation Awarded, payment deferred, other than pensions		$230,646.07
Pension Liability		34,822,620.99
Balance at Credit of Silicosis Account		3,836,713.86
Compensation and Medical Aid estimated outstanding		4,662,295.73
Estimated for Pneumoconiosis		1,787,238.27
Assets in Excess of Liabilities:		
Disaster Reserve	$236,248.27	
Reserve for Depreciation of Securities	892,698.96	
Balance at Credit of Classes	4,966,244.14	
		6,095,191.37
		$51,434,706.29

STANDING SCHEDULE 2 FUNDS AS AT DECEMBER 31, 1944

ASSETS	
Cash in Imperial Bank of Canada	$223,817.63
Investments	3,671,505.02
	$3,895,322.65

LIABILITIES		
Balance Employers' Deposits:		
Under Sec. 28	$3,554,706.84	
Under Sec. 32	112,343.94	
		$3,667,050.78
Claimants' Moneys held by the Board		14,066.97
Reserve for Depreciation of Securities		214,204.90
		$3,895,322.65

FINAL FINANCIAL STATEMENT FOR 1943, SCHEDULE 1

By Classes

Class	Income and Credits	Expenditure and Charges	Balance for 1943	Balance Forward Prior Years	Balance at Dec. 31, 1943	Class
	$ c.	$ c.	$ c.	$ c.	$ c.	
1	811,930.48	764,859.93	47,070.55	365,305.02	412,375.57	1
2	479,842.21	419,010.64	60,831.57	232,456.10	293,287.67	2
3	124,486.31	127,433.15	−2,946.84	11,536.02	8,589.18	3
4	347,366.55	272,821.51	74,545.04	84,996.47	159,541.51	4
5	1,005,605.18	*1,262,870.47	−257,265.29	801,251.66	543,986.37	5
6	190,342.89	233,966.93	−43,624.04	25,923.12	−17,700.92	6
7	659,746.87	620,239.40	39,507.47	33,870.78	73,378.25	7
8	306,246.48	389,561.95	−83,315.47	−166,416.81	−249,732.28	8
9	791,427.07	616,003.89	175,423.18	276,185.33	451,608.51	9
10	1,452,566.22	1,395,082.86	57,483.36	207,188.86	264,672.22	10
11	1,113,204.82	1,008,079.26	105,125.56	308,763.05	413,888.61	11
12	278,754.48	330,394.18	−51,639.70	284,087.27	232,447.57	12
13	132,727.93	122,999.94	9,727.99	78,119.81	87,847.80	13
14	90,182.39	85,764.02	4,418.37	14,900.02	19,318.39	14
15	436,910.79	448,050.64	−11,139.85	250,624.05	239,484.20	15
16	236,504.23	183,350.51	53,153.72	−42,981.46	10,172.26	16
17	206,362.63	228,584.47	−22,221.84	6,117.35	−16,104.49	17
18	87,281.48	74,931.72	12,349.76	93,002.83	105,352.59	18
19	143,696.79	143,212.61	484.18	−13,234.56	−12,750.38	19
20	443,604.57	447,018.08	−3,413.51	357,179.95	353,766.44	20
21	215,675.68	227,723.45	−12,047.77	410,555.92	398,508.15	21
22	347,447.68	297,185.63	50,262.05	292,347.09	342,609.14	22
23	234,178.87	178,931.79	55,247.08	233,551.95	288,799.03	23
24	938,385.47	798,662.93	139,722.54	1,137,129.74	1,276,852.28	24
	11,074,478.07	**10,676,739.96	397,738.11	5,282,459.56	5,680,197.67	

*Includes $22,876.11 for Mine Rescue Work.

**Includes $6,009.57 for Rehabilitation.

NUMBER OF ACCIDENTS IN 1943 INVOLVING PAYMENT

Class	Medical Aid Only	Temporary Disability	Permanent Disability	Death	TOTALS
1	919	2,482	121	29	3,551
2	1,945	1,919	50	7	3,921
3	943	534	38	3	1,518
4	1,429	1,113	113	7	2,662
5	2,625	1,956	148	34	4,763
6	830	423	32	8	1,293
7	2,707	1,358	98	13	4,176
8	2,286	1,185	47	4	3,522
9	6,470	2,153	112	4	8,739
10	16,091	5,385	368	4	21,848
11	11,098	3,369	179	8	14,654
12	1,728	779	27	15	2,549
13	619	394	16	2	1,031
14	916	444	14	1	1,375
15	3,499	1,994	78	12	5,583
16	1,422	673	41	..	2,136
17	1,466	836	54	5	2,361
18	1,200	588	8	..	1,796
19	1,375	647	31	2	2,055
20	1,734	1,426	53	14	3,227
21	595	395	23	9	1,022
22	1,760	997	41	9	2,807
23	1,067	335	26	6	1,434
24	2,822	1,867	115	11	4,815
Totals	67,546	33,252	1,833	207	102,838
Schedule 2	....	2,424	70	39	2,533
Crown Cases	7,780	5,350	173	39	13,342
GRAND TOTALS	75,326	41,026	2,076	285	118,713

APPENDIX

SUMMARY OF COMPENSATION AND MEDICAL AID AWARDED

From Commencement of Act to End of 1944

Compensation Awarded

Schedule 1 Industries	$121,962,572.38
Schedule 2 (including Crown Cases)	35,421,693.35
Total Compensation	$157,384,265.73

Medical Aid Paid

Schedule 1 Industries	$29,318,061.49	
Schedule 2 (including Crown Cases)	(Furnished by Employer)	
Total Benefits Awarded by Board		$186,702,327.22

SUMMARY OF ACCIDENTS REPORTED

From Commencement of Act to End of 1944

Total Number of Accidents Reported	1,957,406

FINANCIAL STATEMENT FOR SCHEDULE 1 INDUSTRIES

From Commencement of Act to End of 1944

Income and Credits	
Net Assessments	$164,612,204.82
Under Section 8	299,891.83
Under Section 84 (4)	54,151.39
Under Section 96	250.00
Under Section 107	169,511.44
Under Section 114	9,042.29
From D.P. & N.H.	379,943.24
For Accidents to Blind Workmen	6,852.63
From Accident Cost Refunds	63,800.67
Interest	4,028,141.08
Credited from Disaster Reserve	427,212.57
Credited from Pension Fund	1,027,214.62
Assessments estimated to be due on adjustment of 1944 Pay Rolls	1,268,375.00
	$172,346,591.58

Expenditure and Charges	
Compensation other than pensions, compensation deferred, and under Sections 22 and 36	$62,351,652.45
Pensions Awarded	54,605,418.80
Deferred Compensation Awarded	1,541,984.34
Under Section 22	996.40
Under former Section 36	41.75
Under Section 8	24,033.46
Medical Aid	29,015,493.40
Administration Expenses	8,182,176.17
Safety Associations	4,095,895.61
Rehabilitation	122,035.21
Mine Rescue Work	273,655.49
Clinic Expenses	339,850.41
Pneumoconiosis Examinations	66.14
For Hospitalization	24,254.01
Pneumoconiosis estimated outstanding	1,787,238.27
Compensation and Medical Aid estimated outstanding	4,662,295.73
Transferred to Disaster Reserve	353,259.80
Balance at Credit of Classes	4,966,244.14
	$172,346,591.58

SUMMARY OF PENSION FUND, SCHEDULE 1

From Commencement of Act to End of 1944

Pension Awards	$54,470,794.54
Amount transferred from Disaster Reserve	134,624.26
Amount transferred from Silicosis Account	1,713,689.83
Interest added	23,918,255.69
	80,237,364.32
Pension Payments	44,387,528.71
	35,849,835.61
Amount transferred to Current Fund	1,027,214.62
Balance December 31, 1944	$34,822,620.99

SUMMARY OF COMPENSATION DEFERRED, SCHEDULE 1

From Commencement of Act to End of 1944

Compensation Deferred	$1,545,469.51
Interest added	117,020.34
	1,662,489.85
Paid to claimants—principal and interest	1,431,843.78
Balance December 31, 1944	$ 230,646.07

SUMMARY OF DISASTER RESERVE, SCHEDULE 1

From Commencement of Act to End of 1944

Amount set aside	$353,259.80
Interest added	310,201.04
	663,460.84
Transferred to Classes	427,212.57
Balance December 31, 1944	$236,248.27

SUMMARY OF RESERVE FOR DEPRECIATION OF SECURITIES, SCHEDULE 1

From Commencement of Act to End of 1944

Amount received on sale of Investments in Excess of Book Value		$943,189.02
Interest		1,000,592.79
		1,943,781.81
Transferred to Classes	$322,610.66	
Transferred to Silicosis Account	294,791.48	
Transferred to Investment Account	433,680.71	
		1,051,082.85
Balance December 31, 1944		$ 892,698.96

SUMMARY OF SILICOSIS ACCOUNT, SCHEDULE 1

From Commencement of Act to End of 1944

Assessments collected		$7,940,696.89
Received from D.P. & N.H.		4,845.91
Interest added		797,082.85
Payments made:		8,742,625.65
Compensation	$3,340,443.43	
Medical Aid	302,568.09	
Salaries and Expenses	961,065.10	
Handling Claims and Supervision	236,278.96	
Salaries and Expenses of Referee Board	65,556.21	
		4,905,911.79
Balance December 31, 1944		$3,836,713.86

SUMMARY OF INVESTMENTS, SCHEDULE 1

From Commencement of Act to End of 1944

Invested		$85,237,201.57
Less principal returned	$34,726,148.04	
Less amount written off for depreciation	433,680.71	
		35,159,828.75
Book Value of Investments December 31, 1944		$50,077,372.82

SUMMARY OF SCHEDULE 2 FUNDS

From Commencement of Act to End of 1944

Received from employers		$29,658,911.61
Interest received		4,557,307.76
Amount received from sale of investments in excess of Book Value		206,663.91
		$34,422,883.28
Payments made	$28,996,202.74	
Deposits returned to employers	1,531,357.89	
		30,527,560.63
Cash in Bank and Invested December 31, 1944		$ 3,895,322.65

SUMMARY OF INVESTMENTS, SCHEDULE 2

From Commencement of Act to End of 1944

Invested	$6,403,144.97
Less principal returned	2,731,639.95
Book Value of Investments December 31, 1944	$3,671,505.02

SUMMARY OF RESERVE FOR DEPRECIATION OF SECURITIES, SCHEDULE 2

From Commencement of Act to End of 1944

Amount received from sale of Investments in excess of Book Value	$206,663.91
Interest added	7,540.99
Balance December 31, 1944	$ 214,204.90

SUMMARY OF RECEIPTS AND PAYMENTS

From Commencement of Act to End of 1944

Schedule 1

Receipts

Assessments,		
Including additional assessments, added percentage, and interest for under or over estimate	$165,603,262.87	
Less Merit Rating: (Charges....$1,067,195.43 Refunds... 2,058,253.48)	−991,058.05	
		$164,612,204.82
Section 8		299,891.83
Section 84 (4)		54,151.39
Section 96		250.00
Section 107		169,511.44
Section 114		9,042.29
D.P. & N.H.		384,789.15
From Province of Ontario for Blind Workmen		6,852.63
Accident Cost Refunds		63,800.67
Silicosis Assessments		7,940,696.89
From Province of Ontario under Section 78, grants for administration expenses		655,500.00
Interest from investments and bank deposits		29,553,891.65
From Schedule 2 and Crown Employers for share of administrative expense		1,341,112.58
Principal returned from investments		34,726,148.04
Amount received from sales of investments in excess of book value		943,189.02
For special statistical and other services		116,981.89
Rehabilitation Clinic		111,327.53
Refund of Administration Expenses, result of special investigation		782.35
Refunds of Hospitalization		155,585.74
		$241,145,709.91

Payments

Compensation payments, other than pensions or deferred payments or under Sections 22 or 36	$62,351,652.45
Pensions	44,387,528.71
Deferred payments—principal and interest	1,431,843.78
Under Section 22	996.40
Under former Section 36	41.75
Under Section 8	24,033.46
Medical Aid	29,015,493.40
Rehabilitation	122,035.21
Administrative and other expenses	10,649,090.73
Safety Associations	4,080,274.96
Investments	85,237,201.57
Silicosis	2,953,082.83
Mine Rescue Work	261,157.97
Clinic Expenses	436,843.29
Pneumoconiosis examinations	66.14
For Hospitalization	186,405.00
Overpayment of Administration Expenses from Schedule 2 employers (refunded in 1926)	.12
Cash in Banks, Dec. 31, 1944	7,962.14
	$241,145,709.91

Schedule 2

Receipts

From Employers for Deposits under Section 28 and for Claimants' Moneys	$8,617,887.65
From Employers for Deposits under Section 32	21,041,023.96
Interest from Investments and Bank Deposits	4,557,307.76
Investments:	
Principal returned	2,731,639.95
Amount received from sales in excess of book value	206,663.91
	$37,154,523.23

Payments

To Claimants out of Deposits under Section 28 and Claimants' Moneys	$8,352,307.50
Returned to Employers out of Deposits under Section 28	1,246,573.11
Paid out of Deposits under Section 32:	
Compensation and Medical Aid	20,638,924.97
Rehabilitation	4,970.27
Returned to Employers	279,015.28
To Schedule 1 for Administration Expenses	5,769.50
Investments	6,403,144.97
Cash in Bank Dec. 31, 1944	223,817.63
	$37,154,523.23

AUDITOR'S CERTIFICATE

23rd February, 1945.

THE WORKMEN'S COMPENSATION BOARD OF ONTARIO,

Toronto, Ontario.

Dear Sirs:

I have completed a continuous audit of the books of the Board for the year ended 31st December, 1944, and have obtained all the information and explanations I have required.

In my opinion the attached statements of Receipts and Payments, Schedules No. 1 and No. 2, truly and fairly set forth the cash transactions of the Board for the year ended 31st December, 1944.

Bank balances at the close of the period have been verified by direct communication with the Board's bankers.

The amortized book value of the investments held by the Board at 31st December, 1944, was $53,748,877.84, and I confirmed by a physical examination the securities representing these investments as at that date. Debenture principal and coupons, due and unpaid at 31st December, 1944, amounted to $134,039.78.

Respectfully submitted,

A. G. CALDER, F.C.A.,

Chartered Accountant.

STATEMENT OF RECEIPTS AND PAYMENTS DURING 1944

Schedule 1

Receipts

Cash in Banks 1st January, 1944:		
Canadian Bank of Commerce	$ 32,001.44	
Dominion Bank	487,963.72	
Royal Bank of Canada	17,455.50	
		$ 537,420.66
Net Assessments, Penalties, etc.:		
Gross Assessm'ts	$11,271,111.73	
Under Section 8	38,453.20	
Under Section 96	250.00	
Under Section 107	1,088.77	
Under Section 114	218.46	
From D.P.&N.H.	26,047.79	
From Accident Cost Refunds	2,643.76	
From Province of Ontario, for Blind Workmen	5,311.32	
	$11,345,125.03	
Less: Assessments and Penalties Refunded	106,516.39	
		11,238,608.64
Silicosis Assessm'ts	$ 399,125.84	
Less: Refunds	659.43	
		398,466.41
Interest:		
Investments	$ 2,003,758.69	
Exchange Premiums	42,444.28	
Bank Deposits	1,664.16	
		2,047,867.13
Investments:		
Principal Returned—This includes net receipts only on exchange of certain investm'ts.	$ 2,443,701.58	
Amounts received in excess of Book Values and not applied in reduction of concurrent purchases	9,894.90	
		2,453,596.48
From Schedule 2 and Crown Employers: For Administration Expenses, account of prior years, paid out of Schedule 1 in 1943		114,894.00
Refunds of Hospitalization		83,661.25
		$16,874,514.57

Payments

Compensation other than Pensions and Deferred Compensation		$4,160,120.82
Pensions		3,013,917.49
Deferred Compensation		121,677.75
Rehabilitation		5,714.46
Medical Aid		1,865,070.10
Silicosis:		
Compensation	$197,489.44	
Rehabilitation	178.90	
Medical Aid	23,776.09	
Expenses	75,964.45	
		297,408.88
Under Section 8		1,201.37
Mine Rescue Work		21,786.77
Administration and other Expenses		818,401.30
Safety Associations		312,413.00
Clinic Expenses		101,759.61
Hospitalization		93,330.00
		$10,812,801.55
Investments:		
Securities for permanent investment — This includes net payments only on exchange of certain investments		6,053,750.88
Cash in Banks—31st December, 1944:		
Canadian Bank of Commerce	$ 2,171.78	
Dominion Bank	2,252.35	
Royal Bank of Canada	3,538.01	
		7,962.14
		$16,874,514.57

STATEMENT OF RECEIPTS AND PAYMENTS DURING 1944

Schedule 2

Receipts

Cash in Bank 1st Jan., 1944:		
Imperial Bank of Canada		$ 134,434.46
Employers' Deposits under Section 28		416,688.13
Employers' Deposits under Section 32		1,830,249.44
Employers' Deposits for Claimants' Monies		7,245.00
Interest:		
Investments	$174,278.68	
Exchange Premiums	2,092.43	
Bank Deposits	704.22	
		177,075.33
Investments:		
Principal Returned		307,209.10
		$2,872,901.46

Payments

Claimants out of Deposits under Section 28		$ 381,444.91
Deposits Returned to Employers under Section 28		2,724.37
Claimants out of Claimants' Monies		7,332.72
Paid out of Deposits under Section 32:		
Compensation	$1,518,900.74	
Medical Aid	206,033.61	
Rehabilitation	696.00	
		1,725,630.35
Deposits Returned to Employers under Section 32		69,182.88
Investments:		
Securities for permanent investment—This includes net payments only on exchange of certain investments		462,768.60
Cash in Bank 31st December, 1944:		
Imperial Bank of Canada		223,817.63
		$2,872,901.46

Ontario Department of Agriculture

REPORT

OF THE

Ontario Veterinary College

1943

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 29, 1945

ONTARIO

TORONTO

PRINTED AND PUBLISHED BY
T. E. BOWMAN, PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1944

REPORT OF THE

Ontario Veterinary College

HONORABLE THOMAS L. KENNEDY,
Minister of Agriculture.

Sir:—

I have the honour to present herewith the following report of the Ontario Veterinary College for the year extending from April 1st, 1943, to March 31st, 1944.

Convocation

At the Convocation of the University of Toronto held on May 14th, 1943, the Chancellor, the Rt. Hon. Sir William Mulock, P.C., K.C.M.G., M.A., LL.D., conferred the degree of Bachelor of Veterinary Science (B.V.Ss.) on forty-two graduates.

Commencement

The Annual Commencement and Presentation of Prizes took place on November 19th, 1943. in the Assembly Hall of the College. The Honourable R. P. Vivian, Minister of Health, was the principal speaker. In his address the Minister outlined an advanced Public Health program for the Province and paid tribute to the veterinary profession for their co-operation in the prevention and control of tuberculosis and other diseases of animals transmissible to human beings. The prizes were presented to the successful candidates by the Honourable T. L. Kennedy, Minister of Agriculture. He congratulated the successful students and expressed gratification at the growing interest being manifested in maintaining high standards. The Mayor, Mr. R. B. Robson, extended greetings on behalf of the city and expressed the hope that students would retain pleasant memories of their association with the citizens of Guelph.

Student Enrolment

A total of 136 were enrolled. As in former years, students were in attendance from all the Provinces of Canada also from other points of the British Commonwealth and from the United States.

The Teaching and Executive Staff

C. D. McGilvray, M.D.V., D.V.Sc., *Principal: Contagious Diseases, Sanitary Science.*
W. J. R. Fowler, V.S., B.V.Sc., D.V.M.: *Surgery, Anatomy.*
R. A. McIntosh, M.D.V., B.V.Sc.: *Diseases of Cattle, Obstetrics, Therapeutics.*
F. W. Schofield, B.V.Sc., D.V.Sc.: *Pathology, Bacteriology.*
L. Stevenson, B.S.A., M.S., B.V.Sc.: *Zoology, Fur-Bearing Animals.*
J. S. Glover, V.S., B.V.Sc.: *Milk and Meat Hygiene, Poultry Diseases.*
*A. A. Kingscote, B.V.Sc., D.V.Sc.: *Pathology, Parasitology.*
F. J. Cote, B.V.Sc.: *Canine and Feline Diseases.*
V. R. Brown, B.V.Sc.: *Anatomy, Hygiene.*
G. Cairns, B.V.Sc., M.R.C.V.S.: *Sporadic Diseases, Hygiene.*
*A. F. Bain, B.V.Sc.: *Bacteriology.*
*R. T. Ingle, B.V.Sc., M.Sc.:*Pathology.*
A. H. Kennedy, B.S.A., B.V.Sc., D.V.Sc.: *Pathology, Parasitology.*
C. E. Phillips, B.V.Sc.: *Pathology, Bacteriology.*
H. T. Batt, B.V.Sc., M.V.Sc., M.S., D.V.Sc., Ph.D.(Cornell) Certificat de l'Ecole d'Alfort (France): *Histology, Physiology.*
D. L. T. Smith, B.V.Sc.: *Serology, Poultry Diseases.*
*J. K. Blair: *Jurisprudence.*
C. L. McKinnon: *Jurisprudence.*
A. L. Shepherd: *Executive Clerk.*

Miss A. Walsh: *Secretary.*
Miss L. Nott: *Librarian and Stenographer.*
Miss M. Urquhart: *Stenographer.*
Miss E. Shepherd: *Stenographer.*
Miss J. McDonald: *Stenographer.*
Miss H. Whyte: *Stenographer.*
Miss O. Szombatty: *Technician.*
**On military leave.*

Admission Requirements and Course of Study

The prescribed course of study qualifies for the degree of Bachelor of Veterinary Science (B.V.Sc.) and extends over a period of five years. The requirements for admission come under the jurisdiction of the University of Toronto. In order to gain entrance, applicants must furnish Junior and Senior Matriculation certificates, or Junior Matriculation certificate and a certificate covering the satisfactory completion of the first year in a degree course at a recognized Agricultural College or University. The final examinations for graduation likewise come under the jurisdiction of the Senate of the University, and the examiners are appointed by the University. Graduate courses leading to the advanced degrees of Master of Veterinary Science (M.V.Sc.), Doctor of Veterinary Science (D.V.Sc.) and Diploma in Veterinary Public Health (D.V.P.H.) are available under the School of Graduate Studies of the University.

A detailed outline of the entrance requirements and the course of studies is contained in the College Calendar, which is available to those interested. In addition to the regular undergraduate courses outlined in the calendar, special short courses were provided as follows:

Public Health Course

A special course of study in Public Health work was given Senior students by the Director and Staff of the School of Hygiene and Connaught Laboratories of the University of Toronto. The course included the following subjects:

Public Health Administration.
Principles of Sanitation.
Communicable Diseases.
Food-Borne Infections.
Interpretation of Laboratory Findings.
Bacteriology of Enteric-Infections.
Human Parasitic Infections.
Inspection of Water Supplies.
Inspection of Sewage Disposal.
Inspection of Restaurants and Bottling Plants.
Industrial Hazards in Meat Packing Industry.
Ventilation and Fumigation.
Dairy Sanitation.

Special Course for Fur Breeders

During the month of June a course was provided for those engaged in the rearing of fur-bearing animals. About 200 fur breeders attended. The course was arranged in co-operation with the Ontario Fur Breeders' Association and comprised lectures and demonstrations on the following subjects:

Handling of the Whelping Female.
Blue Fox Ranching.
Hemorrhagic Enteritis of Blue Foxes.
Fox Ranching Has a Future.

Line Breeding.
Silver Fox Questions.
Profitable Types of Mink.
Proper Housing.
Food Values.
Management of the Fur Ranch.

Refresher Course for Veterinarians

During the month of July a special course for graduate veterinarians was provided in co-operation with the Ontario Veterinary Association. There were approximately 150 in attendance and the programme comprised the following topics:

The Structure of the Cow's Udder.
The Physiology of Milk Secretion.
Mastitis, its Prevention and Treatment.
Calf Scours, its Prevention, Treatment and Control.
Food Toxemia.
The Use and Application of Anthelmintics.
The diagnosis, prevention and control of Poultry Diseases.
The prevention and treatment of Parasitic Diseases in Sheep.
Pulmonary Diseases of Swine.
Gastro-intestinal Diseases of Swine.

Clinical Service

This service is available for veterinarians and live stock owners where clinical assistance is desired. The nature and extent of the services rendered are as follows:

Animal Clinics:—Animals of all classes were admitted for diagnosis, medical and surgical treatment.

Horses:—The cases submitted were largely surgical and included fistulous withers, poll-evil, roaring, hernia, cryptorchidism, lameness, including deformities of the feet and canker. Parasitic and other skin affections are frequently observed. Dental cases and tumor formations are also of common occurrence.

Cattle:—Many of the cattle cases were of an unusual character and represented herd conditions. The predominating diseases included sterility, mastitis, calf scours, calf pneumonia, necrotic stomatitis, nutritional deficiencies, pseudo-leukemia, hypo-calcemia, acetonemia, photo-sensitization, sweet clover poisoning, and retention of the afterbirth.

Swine:—These comprised surgical cases and diseases prevailing in litters and herds. The surgical cases comprised scrotal and umbilical hernia, cryptorchidism and hermaphrodism. Among the diseases affecting herds and litters were gastro-enteritis, respiratory affections, anemia of young pigs and other nutritional diseases, parasitic diseases, including lice and mange, erysipelas, hemorrhagic septicemia, necrotic enteritis and infectious rhinitis.

Sheep:—Many of the sheep cases were parasitic infestations more especially stomach worm disease. Other conditions comprised nutritional diseases, pregnancy disease, stiff lamb disease, tetanus following docking and castration.

Small Animals:— These comprised dogs and cats submitted for surgical attention such as spaying. A large number of diseased conditions were also treated including digestive disturbances, distemper, renal diseases, respiratory diseases, mange and other skin diseases.

Fur Bearing Animals:—The diseases of fur bearing animals and general problems of the fur breeding industry were given the required attention by the Provincial Zoologist. Food toxemia has ever been the main cause of loss on fox and mink ranches. Out of every one hundred carcasses submitted for laboratory examination, evidence of food toxemia was revealed in thirty-two cases. There has been considerable interest manifested during the past year in the rearing of Angora and Chinchilla rabbits.

Extension Work Relating to Bang's Disease

In co-operation with practising veterinarians and live stock owners the work relating to the control of Bang's disease in cattle (Contagious Abortion) has been further expanded under the following plans.

1. *Testing of Individual Herds:*
   Under this plan 48.329 cattle were tested of which 35,710 were Negative. 9.474 Positive. 3.145 Doubtful.
2. *Testing of Dairy Cattle for Export:*
   These tests were made to facilitate the exporting of dairy cattle to the United States and comprised 8.941 cattle. of which 8.261 were Negative. 354 Positive, 326 Doubtful.
3. *Supervised Calfhood Vaccination:*
   Under this plan. vaccination was undertaken in 2.825 herds. A total of 34.650 calves between four and eight months of age were vaccinated and check tested 30 days after being vaccinated.
4. *Testing of Herds in Prescribed Areas:*
   Under this plan 10 areas have been established as follows:
   1. *Schomberg Area:*—Includes 279 herds comprising 3.220 cattle.
   2. *Northumberland Area:*—Includes 189 herds comprising 2.852 cattle.
   3. *Stormont Area:*—Includes 61 herds comprising 1.121 cattle.
   4. *Maxville Area:*—Includes 52 herds comprising 1,437 cattle.
   5. *Vars Area:*—Includes 41 herds comprising 1.069 cattle.
   6. *Durham Area:*—Includes 39 herds comprising 480 cattle.
   7. *Carp Area:*—Includes 63 herds comprising 1,417 cattle.
   8. *Orono Area:*—Includes 18 herds comprising 171 cattle.
   9. *Almonte Area:*—Includes 14 herds comprising 179 cattle.
   10. *Brockville Area:*—Includes 10 herds comprising 309 cattle.

Research and Investigation

During the year several outbreaks of disease. as well as a number of unusual cases of disease in different animals species. have been investigated. Some of the more interesting cases are briefly dealt with in this report.

Acute Bovine Pulmonary Emphysema: (Rape Poisoning)—An outbreak occurred in a herd of milking cattle in which almost all the animals were affected. The mortality was not high. but the outbreak was unusual as it occurred during the summer time and no specific cause could be demonstrated. The post-mortem lesions were typically that of so-called "rape poisoning".

The Isolation of P. Suis From the Gastro-Intestinal Tract of Swine:—In the great majority of cases of acute gastro-enteritis in swine the results of bacteriological examinations are negative. Recently we have been making subcutaneous inoculations into rabbits of a suspension of the inflamed mucous membrane. This always results in acute local swelling and suppuration. From the rabbit lesion we have been able to isolate a *Pasteurella* in about 50% of the cases.

The Nature of the Infection in Gangrenous Mastitis:—Bacteriological examination of samples of per-acute and gangrenous mastitis would indicate that the chief invading organism is *S. aureus.*

The Isolation of an Anaerobic Streptococcus from Cases of Mastitis in Cattle:—A pure culture of an anaerobic streptococcus was isolated from the milk in two cases of acute mastitis in the same herd. There is every reason to believe that the streptococcus is the cause of the infection. This is, I believe, the first report of an anaerobic streptococcus as the causal agent in Mastitis.

The Use of a Herd Vaccine in the Control of Chronic Mastitis in Cattle:—A progress report is included of the work done during the year on the isolation and identification of streptococci from cases of Mastitis, as well as the results of the use of herd vaccine.

The Use of Sulphapyridine in an Outbreak of A. Necrophorous Infection in Swine:—This drug proved to be the most efficacious in the cure of severe necrotic infection affecting a herd of pigs. The lesions were present on various parts of the body, and consisted of either localized or diffuse necrosis of the skin with sloughing.

Serum-Bacterin Prophylactic Inoculation of Swine:—Experimental preventive immunization was undertaken in an endeavour to reduce excessive mortality in piggeries where pneumonia due to P. suiseptica and A. bronchi-septicus is endemic.
piggeries were pneumonia due to *P. suiseptica and A. bronchi-septicus* is endemic.

The Use of Acidophilus Milk in the Treatment and Prevention of Lamb Scours:—Several lambs, two to seven days old, were presented for post-mortem and bacteriological examination. The usual history was that of scouring, and post-mortem revealed enteric lesions, complicated with pneumonia in some cases. Acidophilus milk has proved to be of value in both prevention and treatment.

Fatal Anaphylaxis in a Calf Following the Intravenous Inoculation of Br. Abortus:—A group of six calves were given an intravenous inoculation with Str. 19 instead of the usual subcutaneous injection. This resulted in anaphylaxis in all of the calves, in some mild, in others severe, and in one fatal.

Routine Laboratory Service:—Over 350 tissue sections were made and examined from post-mortem specimens submitted for laboratory diagnosis.

Pathological Laboratory Service

Over three hundred and fifty tissue sections were made and examined from specimens submitted for laboratory diagnosis as shown in the following table.

Disease	CATTLE	SHEEP	HORSES	SWINE	DOGS	CATS	RABBITS	BIRDS	FOX	MINK	TOTAL
NEOPLASMS (Benign)											
Adenoma		1			3						4
Fibroma			1		1						2
Lipoma	2				1						3
Melanoma					1						1
Hyper-nephroma	2										2
NEOPLASMS (Malignant)											
Carcinoma	6				8			1			15
Carcinoma adeno		1			3						4
" *epidermoid*					2						2
" *tricho*					1						1
Sarcoma											
" *fibro*			4		4	1					9
" *osteogenic*	1										1
" *reticulum cell*				2							2
" *lipo-fibro*	1										1
" *chondro*	1				1						2

Disease	CATTLE	SHEEP	HORSES	SWINE	DOGS	CATS	RABBITS	BIRDS	FOX	MINK	TOTAL
Sarcoma melanotic			1		3						4
” *lympho*	2	1		2	2						7
Lymphocytoma	3										3
Mesothelioma					1						1
Seminoma					3						3
Cyst—adenoma ovary					1	1					2
RESPIRATORY SYSTEM											
Lung											
Congestion passive				1							1
” *active*	2	1		6	2						11
Oedema	1			8							9
Pneumonia	1	1		3	1						6
” *lobar*	7	2	1	6	1						17
” *bronchial*	2	2		22	1						27
” *parasitic*	1	4		1							6
” *chronic*	1			2		1					4
” *embolic*	1				1						2
Malignant catarrh	1										1
Pleurisy	3			4							7
NERVOUS SYSTEM											
Encephalitis					3						3
Encephalo-myelitis			1								1
Neurolymphomatosis								1			1
GENITO-URINARY SYSTEM											
Nephritis acute				2	1						3
” *chronic*				1	1	1	1				4
” *pyelo*	7										7
” *embolic*	1										1
Pulpy kidney	3	1									4
Cloudy swelling											
Cystitis acute	1										1
BLOOD AND BLOOD FORMING ORGANS											
Anemia				3							3
Spleen hematoma					1						1
” *hemorrhage*			1								1
” *toxic*				3							3
Lucosis								2			3
Leukemia lymphatic	1			1							2
HEART AND CIRCULATORY SYSTEM											
Myocarditis acute				1							1
” *chronic*					1						1
Pericarditis acute	3			3							6
” *supperutive*	4										4
Endocarditis verrucous			1		1						2
SKIN AND SUB-CUTANEOUS TISSUE											
Inflammation chronic			1		5						6
LIVER											
Hepatitis acute	1			2							3
” *chronic*	2		1	1							4
Congestion passive				2	2	1					5
” *active*											
Acute yellow atrophy	1										1
Telangiectasis	10										10
Degeneration fatty	1	1	1	1	1	1					6
Infiltration ”	1	3	1	1							6
Cloudy swelling				2							2
Focal necrosis	1			1	1						3

Disease	Cattle	Sheep	Horses	Swine	Dogs	Cats	Rabbits	Birds	Fox	Mink	Total
Abscess	1										1
Laennec's disease					1						1
Cholecystitis	1										1
Fasciolasis	3										3
GASTRO INTESTINAL TRACT											
Gastritis				6							6
" *hemorrhagic*				6							6
Enteritis acute	1	2		5							8
" *chronic*		1		2							3
" *necrotic*	2			4							6
" *hemorrhagic*		1		3	1						5
SPECIAL DISEASES											
Actinonycosis	3										3
Actinobacillosis	6										6
Botryomycosis			1								1
Tuberculosis	5			2				1			8
Swamp Fever	2		2								4
Azoturia			3								3
Osteopetrosis								1			1
Johne's Disease	2										2
Gangrenous Mastitis	1										1
Anasarca	1										1
Septicemia	3		1								4
Peritonitis	1					1					2
Poisoning—Lead	3										3
MISCELLANEOUS											
	4	2	2	6	2		1				
Total	114	24	23	115	62	7	2	6	.....	.....	353

Bacteriological Laboratory Service

During the year over eight hundred and fifty specimens were examined as shown in the following table.

Nature of Case	Cattle	Sheep	Horses	Swine	Dogs	Cats	Rabbits	Birds	Fox	Mink	Feed Sample	Total
Parasitic Infestation		11		4				1				16
Coccidiosis	2											2
Trichohoniasis (Suspect)	10-											10-
Pasteurella Infection	8	4		21			2					35
Pasteurella with Bronchisepticus				9								9
Pasteurella with Streptococci				5								5
Bronchisepticus				11								11
Diphtheroid				3								3
Streptococci	2	2		4								8
Pneumonia 6	5	6	1	10	1		3			1		27
Influenza				2								2
Calf Septicemia	12											12
Salmonella Infection				4					1	3-		8
Enteritis	7	2	1	17		1						28
Gastro Enteritis				28	3							31
Hemorrhagic Enteritis				4								4
Necrotic Enteritis				13								13
Diphtheritic Enteritis				13								13
Diphtheritic Enteritis	1											1

NATURE OF CASE	CATTLE	SHEEP	HORSES	SWINE	DOGS	CATS	RABBITS	BIRDS	FOX	MINK	FEED SAMPLE	TOTAL
Peritonitis			1	1								2
Scours	3			2								5
Feline Enteritis						2						2
Necrophorus	2			4								6
Anaemia				4								4
Excess Iron				2								2
Abscess	3		1	1	5	2						12
Blackleg	2											2
	1-											1-
Erysipelas				2								2
Pyaemic Artritis	1											1
Malignant Catarrh	1											1
Actinomycosis, Actinobacillosis	1											1
Botulism	1											1
Tuberculosis	1											1
Warts	3			3								6
Pregnancy Disease		1										1
Pulpy Kidney Disease		1										1
Stiff Lamb Disease		3										3
Urine Analysis	1											1
Hemoglobinuria	1											1
Swamp Fever			9									9
Fistula			4									4
Gas Gangrene			1									1
Jaundice			1									1
Nutritional Disease	7			2								9
Semen Examination	2											2
Suspected Poisoning					2							2
Water Analysis												2
Miscellaneous	4			2	2	4	1			5		18
Mastitis	531											531
Total	612	30	19	155	13	9	6	1	1	9		855

Poultry Laboratory Service

This consists chiefly in the examination of diseased poultry sent or brought to the laboratory. The percentage of cases of nutritional diseases remained at about the same level as during the previous year. These conditions were chiefly vitamin "A" deficiency, riboflavin deficiency, new grain poisoning, with a few cases of necrosis of the beak due to the feeding of finely ground moist mash. There was a slightly lowered percentage of pullorum disease in chicks and poults—approximately 35.3% against approximately 37% the previous year. Cases of coccidiosis showed a rise—approximately 16.8% compared with about 12.6% of the total number of examinations made the year before. *Salmonella pullorum* was isolated from two adult turkeys imported from California. This is the first time we have isolated this organism from mature turkeys, although we often find it in poults. The result of our findings are included in an appendix to this report. Included under "Other Infections" were cases of *staphylococcic, streptococcic,* and *S. typhi-murium* infections. Many more cases of omphalitis (navel ill) were encountered during the spring of 1944 than formerly, and from approximately 81% of the affected chicks and poults received during a two month's period. *S. pullorum* was isolated.

The number of speciments received during the past year, and the conditions found, are shown in the following list. This is an increase of over 800 from the previous year.

NATURE OF CASE	TOTAL
Ascites	7
Adult Pullorum Infection	94
Avian Diphtheria	29

Coccidiosis	611
Coryza and Roup	45
Enteritis	71
Eversion of Cloaca	14
Enterohepatis	28
Laryngotracheitis	42
Leucosis	125
Pullorum Disease of Chicks and Poults	1275
Tuberculosis	35
Other Infections	153
Impaction (Crop. Proventriculus. Gizzard. or Intestine)	21
Injuries	27
Nutritional Conditions	347
Poisoning	13
Ruptured Liver	21
Ruptured Oviduct	1
Tumours	50
Worms (Ascaridia)	109
" *(Capillaria)*	67
" *(Large Tapes)*	36
" *(Minute Tapes)*	55
" *(Round and Tapes)*	55
External Parasitism	5
No Evidence of Disease or Putrid	279
Totals	3604

Preparation and Distribution of Antigen:—5.800 test doses of *Brucella abortus* antigen were distributed to veterinarians for the agglutination test for Bang's disease.

Preparation and Distribution of Fowl Pox Vaccine:—165.050 doses of vaccine were prepared and distributed for the vaccination of poultry by the *Johnson stick method* for the prevention of Fowl Pox.

Agglutination Tests:—During the year 82.435 blood samples were received and submitted to the agglutination test for Bang's disease. This is an increase over the previous year of 30,079 samples. Included in this number are samples from cattle intended for export or exhibition, from calves in herds under the calfhood vaccination plan. and from cattle in prescribed areas. The results of these tests are shown in the following table.

	NEGATIVE	POSITIVE	DOUBTFUL	TOTAL
Routine Samples	35.710	9.474	3,145	48,329
Export or Exhibition Samples	8.261	354	326	8,941
Calfhood Vaccination Samples	1.507	14.624	906	17.037
Prescribed Area Samples	7.521	277	330	8,128
Totals	52.999	24.729	4,707	82,435

Routine Examination of Milk and Cream Samples:— Routine tests made on approximately 700 samples of milk and cream submitted to the laboratory from time to time. These tests included fat and total solids determinations: standard plate counts; coliform, reductase. phosphatase and various mastitis tests.

* * * *

During the year a large volume of correspondence has received attention, together with personal interviews with those seeking advice regarding their animals. The demand for veterinary extension, investigation and research work has noticeably increased. This is particularly evident in connection with the adoption of calf vaccination as an aid in the control of Bang's disease in cattle. With the increased demand for these services the entire staff has been exceedingly busy and have performed their duties faithfully. Efforts have been directed towards maintaining a high standard of efficiency and all expenditures have been carefully checked and kept at a minimum cost.

All of which is respectfully submitted.

C. D. McGILVRAY,
Principal.

Guelph, Ontario,
March 31st, 1944.

PROGRESS REPORT ON PLANS FOR THE CONTROL OF BANG'S DISEASE

C. D. McGilvray and J. S. Glover

The following plans were inaugurated during the year 1938 to assist in the detection and control of Bang's disease in co-operation with live stock breeders and practising veterinarians.

Plan A. — Routine testing of individual herds.
Plan B. — Supervised testing of herds in prescribed areas.
Plan C. — Supervised calfhood vaccination.

Plan A. — Routine Testing of Individual Herds

This plan is available for the blood testing of individual herds by practising veterinarians. The blood samples are submitted by the veterinarian to be tested by the College laboratory staff. Provision is also made for the official testing of cattle for export to the United States. The tests made under this plan are as follows:

	Negative	Positive	Doubtful		Total
Routine Tests	150,387 (79%)	30,012 (16%)	9,819 (5%)	=	190,218
Export Tests	26,440 (93%)	1,270 (4%)	876 (3%)	=	28,586
Totals	176,827 (81%)	31,282 (14%)	10,695 (5%)	=	218,804

Plan B. — Supervised Testing of Herds in Prescribed Areas

This plan is available where a group of ten or more owners occupying contiguous premises in a prescribed area submit a petition to have their herds tested under the supervision of a registered veterinarian. The Department pays the veterinarian for taking and submitting blood samples at the rate of twenty cents for each animal tested and in addition provides the test charts and sterilized vials and makes the required agglutination tests free of charge.

All cattle over twelve months of age are required to be tested at intervals of from sixty to ninety days. Reactors must be earmarked and segregated or removed to an abbattoir for slaughter, and the premises cleaned and disinfected. When a herd passes three negative tests within a year the owner is then expected to take the necessary steps to have the herd tested for listing under the regulations of the Health of Animals Branch.

Under the foregoing arrangement ten prescribed areas have been established as follows:

1. *Schomberg Area:* Includes 279 herds comprising 3,220 cattle.
2. *Northumberland Area:* Includes 189 herds comprising 2,852 cattle.
3. *Stormont Area:* Includes 61 herds comprising 1,121 cattle.
4. *Maxville Area:* Includes 52 herds comprising 1,437 cattle.
5. *Vars Area:* Includes 41 herds comprising 1,069 cattle.
6. *Durham Area:* Includes 39 herds comprising 480 cattle.
7. *Carp Area:* Includes 63 herds comprising 1,417 cattle.
8. *Orono Area:* Includes 18 herds comprising 171 cattle.
9. *Almonte Area:* Includes 14 herds comprising 179 cattle.
10. *Brockville Area:* Includes 10 herds comprising 309 cattle.

1. *Schomberg Area:*

			Total
1st Test—Negative 2805 (87%)	Positive 202 (6%)	Doubtful 213 (7%) =	3,220
2nd Test—Negative 1627 (93%)	Positive 45 (3%)	Doubtful 72 (4%) =	1,744
3rd Test—Negative 1139 (95%)	Positive 20 (2%)	Doubtful 41 (3%) =	1,200
4th Test—Negative 1193 (88%)	Positive 59 (4%)	Doubtful 105 (8%) =	1,357
5th Test—Negative 518 (90%)	Positive 33 (6%)	Doubtful 23 (4%) =	574
6th Test—Negative 353 (91%)	Positive 10 (3%)	Doubtful 24 (6%) =	387
7th Test—Negative 293 (92%)	Positive 15 (4%)	Doubtful 13 (4%) =	321
8th Test—Negative 255 (93%)	Positive 8 (3%)	Doubtful 11 (4%) =	274
9th Test—Negative 90 (93%)	Positive 3 (3%)	Doubtful 4 (4%) =	97
10th Test—Negative 33 (92%)	Positive 2 (6%)	Doubtful 1 (2%) =	36
11th Test—Negative 27 (97%)	Positive 1 (3%)	Doubtful — (—) =	28
12th Test—Negative 25 (92%)	Positive 1 (4%)	Doubtful 1 (4%) =	27
13th Test—Negative 29 (97%)	Positive 1 (3%)	Doubtful — (—) =	30
14th Test—Negative 30 (97%)	Positive 1 (3%)	Doubtful — (—) =	31

2. *Northumberland Area:*

1st Test — Negative 2600 (91%)	Positive 149 (5%)	Doubtful 103 (4%) =	2,852
2nd Test — Negative 2080 (93%)	Positive 57 (3%)	Doubtful 100 (4%) =	2,237
3rd Test — Negative 1344 (94%)	Positive 32 (2%)	Doubtful 57 (4%) =	1,433
4th Test — Negative 488 (95%)	Positive 6 (1%)	Doubtful 18 (4%) =	512
5th Test — Negative 259 (86%)	Positive 25 (9%)	Doubtful 14 (5%) =	298
6th Test — Negative 16(100%)	Positive — (—)	Doubtful — (—) =	16

3. *Stormont Area:*

1st Test — Negative 1053 (94%)	Positive 43 (4%)	Doubtful 25 (2%) =	1,121
2nd Test — Negative 309 (93%)	Positive 9 (2%)	Doubtful 15 (5%) =	333
3rd Test — Negative 332 (97%)	Positive 3 (1%)	Doubtful 7 (2%) =	342
4th Test — Negative 228 (97%)	Positive 2 (1%)	Doubtful 4 (2%) =	234
5th Test — Negative 81 (99%)	Positive — (—)	Doubtful 1 (1%) =	82
6th Test — Negative 66 (99%)	Positive — (—)	Doubtful 1 (1%) =	67
7th Test — Negative 23(100%)	Positive — (—)	Doubtful — (—) =	23
8th Test — Negative 21 (99%)	Positive 1 (1%)	Doubtful — (—) =	22

4. *Maxville Area:*

1st Test — Negative 1321 (92%)	Positive 56 (4%)	Doubtful 60 (4%) =	1,437
2nd Test — Negative 1000 (96%)	Positive 20 (2%)	Doubtful 21 (2%) =	1,041
3rd Test — Negative 878 (97%)	Positive 6 (1%)	Doubtful 17 (2%) =	901
4th Test — Negative 274 (99%)	Positive — (—)	Doubtful 4 (1%) =	278
5th Test — Negative 136 (99%)	Positive — (—)	Doubtful 2 (1%) =	138
6th Test — Negative 1(100%)	Positive — (—)	Doubtful — (—) =	1
7th Test — Negative 4(100%)	Positive — (—)	Doubtful — (—) =	4

5. *Vars Area:*

1st Test — Negative 992 (93%)	Positive 45 (4%)	Doubtful 32 (3%) =	1,069
2nd Test — Negative 832 (97%)	Positive 12 (2%)	Doubtful 11 (1%) =	855
3rd Test — Negative 601 (98%)	Positive 7 (1%)	Doubtful 8 (1%) =	616
4th Test — Negative 285 (98%)	Positive — (—)	Doubtful 6 (2%) =	291
5th Test — Negative 114 (95%)	Positive 5 (4%)	Doubtful 1 (1%) =	120
6th Test — Negative 124 (98%)	Positive 2 (1%)	Doubtful 2 (1%) =	128
7th Test — Negative 72 (97%)	Positive 2 (3%)	Doubtful — (—) =	74

6. *Durham Area:*

1st Test — Negative 428 (89%)	Positive 27 (6%)	Doubtful 25 (5%) =	480
2nd Test — Negative 163 (91%)	Positive 3 (6%)	Doubtful 14 (7%) =	180
3rd Test — Negative 98 (94%)	Positive 2 (2%)	Doubtful 4 (4%) =	104
4th Test — Negative 33 (99%)	Positive — (—)	Doubtful 4 (1%) =	37

7. *Carp Area:*						
1st Test — Negative	1288 (91%)	Positive	71 (5%)	Doubtful	58 (4%) =	1,417
2nd Test — Negative	960 (96%)	Positive	15 (1%)	Doubtful	27 (3%) =	1,002
3rd Test — Negative	509 (97%)	Positive	6 (1%)	Doubtful	8 (2%) =	523
4th Test — Negative	237 (97%)	Positive	2 (1%)	Doubtful	6 (2%) =	245
5th Test — Negative	216 (97%)	Positive	1 (1%)	Doubtful	6 (2%) =	223
6th Test — Negative	366 (93%)	Positive	11 (3%)	Doubtful	17 (4%) =	394
7th Test — Negative	100 (99%)	Positive	1 (1%)	Doubtful	— (—) =	101
8th Test — Negative	23 (100%)	Positive	— (—)	Doubtful	— (—) =	23
8. *Orono Area:*						
1st Test — Negative	148 (87%)	Positive	18 (10%)	Doubtful	5 (3%) =	171
2nd Test — Negative	87 (100%)	Positive	— (—)	Doubtful	— (—) =	87
9. *Almonte Area:*						
1st Test — Negative	173 (97%)	Positive	4 (2%)	Doubtful	2 (1%) =	179
2nd Test — Negative	137 (96%)	Positive	2 (1%)	Doubtful	1 (1%) =	140
3rd Test — Negative	153 (96%)	Positive	4 (3%)	Doubtful	2 (1%) =	159
4th Test — Negative	102 (98%)	Positive	2 (2%)	Doubtful	— (—) =	104
5th Test — Negative	91 (98%)	Positive	— (—)	Doubtful	2 (2%) =	93
6th Test — Negative	71 (94%)	Positive	1 (1%)	Doubtful	4 (5%) =	76
7th Test — Negative	58 (100%)	Positive	— (—)	Doubtful	— (—) =	58
10. *Brockville Area:*						
1st Test — Negative	269 (87%)	Positive	21 (7%)	Doubtful	19 (6%) =	309
2nd Test — Negative	163 (100%)	Positive	— (—)	Doubtful	— (—) =	163
				GRAND TOTAL		32,119

RECAPITULATION

Number of cattle tested	32.119
" " " Negative	29,824 — 93%
" " " Positive	1.074 — 3%
" " " Doubtful	1,221 — 4%

Plan C. — Supervised Calfhood Vaccination

Under this plan calf vaccination is being practised in 2.825 herds under College supervision. A total of 34.650 calves have been treated with a live vaccine prepared from Cotton's No. 19 strain *Brucella abortus*. The vaccine is supplied only to registered veterinarians for the treatment of calves between four and eight months of age. The vaccinated calves have to be recorded and identified on a form supplied for that purpose. The vaccinated calves are required to be check tested in thirty days following vaccination to determine if the vaccine has produced positive results. Slightly over 95% of the vaccinated calves show a positive reaction to the thirty day check test and less than 5% remain negative or doubtful to this test. The calves remaining negative or doubtful to the thirty day test are revaccinated.

DEATH DUE TO ANAPHYLAXIS FOLLOWING THE INTRAVENOUS INOCULATION OF BRUCELLA ABORTUS STRAIN 19

F. W. Schofield

A group of five calves were given the usual 5 cc. dose of *Brucella abortus* vaccine intravenously instead of by the proper subcutaneous route. The injection was made about 8.30 a.m. After the last calf had been treated it was noticed that those which had been injected earlier were showing signs of distress, chiefly evidenced by accelerated breathing. Two calves were affected much more severely than the rest. One of the two became steadily worse and died in about two hours, while the other calf slowly recovered, appearing normal when examined during the afternoon of the same day. The following report deals with the fatal case.

Symptoms:—The most marked symptom was dyspnoea, which became increasingly severe until death. In the agonal stage, froth and a blood-stained watery fluid exuded from the nostrils. The abdomen became distended with gas, which increased as the disease progressed. The tympany, as might be expected, was accompanied with marked abdominal pain.

Post-mortem Examination:—When examined about two hours after death, the carcass was greatly distended with gas, a blood-stained froth covered the nostrils, the conjunctiva was acutely congested, with several ecchymoses present in the membrana nictitans.

Abdominal Cavity:—The *omentum* contained numerous petechial hemorrhages and ecchymoses. The *kidneys* were congested. The *liver* was paler than normal, friable and presented quite a few irregular pale areas, which were firmer and slightly elevated. They suggested coagulation necrosis. The *small intestines* contained several loops where congestion was present, with slight thickening of the bowel wall. The *spleen* and *lymph* nodes were normal.

The Thorax:—The lung showed remarkable changes for a disease condition which had developed in the space of two or three hours. The lungs were swollen, pinkish-grey in color, fairly firm to the touch, and saturated with fluid which trickled from the cut surface. The edema, while more marked at the hilum, extended throughout the lungs, practically no normal tissues remained. The lobules were separated from each other due to the extensive serous infiltration of the intralobular connective tissue. Petechial hemorrhages were scattered throughout the parenchyma.

Microscopic Appearance:—Lungs. The alveoli were filled with a pale pink staining exudate, plasma which had passed through the damaged capillary walls. The interlobular connective tissue greatly distended with a similar exudate. Occasional hemorrhages present involving a group of alveoli. Cell infiltration not marked: polymorphs and monocytes were present in small numbers in the capillaries and the alveoli. *Liver.* Sections prepared from the pale areas, showed extensive necrosis. Cloudy swelling and groups of a few necrotic cells seen in sections of the more normal tissue. Small hemorrhages also present.

The Question of Sensitization:—The question naturally arises as to the manner of sensitization of the calves. The herd was free from *Brucella* infection and there had been no known contact between the calves and infected animals. Agglutination tests were made with the serum from two of the calves which recovered, as well as from the calf which succumbed; all were negative. When a few days old the calves had been inoculated with anti-hemorrhagic septicemic bacterin. This had been practised for many years with no harmful results. Other calves on two different farms were inoculated with the same vaccine, also administered intravenously, with severe reactions following. The veterinarian informed me that he always injected the vaccine intravenously and had vaccinated hundreds of calves with no fatalities. The same batch of vaccine was used to inoculate over fifty calves by the subcutaneous route without any ill effects.

A few other cases of suspected anaphylaxis have been reported following the use of Brucella vaccine when given subcutaneously. In one case histological examination of the liver showed extensive damage with necrosis. No history with regard to sensitization accompanied any of these cases.

AN ANAEROBIC STREPTOCOCCUS ISOLATED FROM CASES OF BOVINE MASTITIS

F. W. Schofield

Reports in the literature of the isolation of anaerobic streptococci from diseased tissues are not numerous. In almost every instance such organisms have been found in indolent ulcers or in slow healing wounds where there is a certain amount of putrefaction. No record of the isolation of an anaerobic streptococcus from bovine mastitis is known to the writer.

Material from Which the Organism was Isolated:—The samples of milk from which the organism was isolated came from two cows in the same herd both of which were suffering from chronic mastitis. The condition had been present for about two months. The physical appearance of the milk was quite abnormal consisting of soft somewhat mucinous curds and whey. In both cows. three of the four quarters were affected. The milk flow had greatly diminished. Examination of the affected udders showed swelling and thickening of the tissue as if a diffuse fibrosis of the parenchyma was present. Stained smears of the clotted milk showed large numbers of polymorpho-nuclear leucocytes and numerous very long chains of streptococci. Cultures made on blood agar and incubated areobically showed a few colonies of staphulococci only. Fresh cultures were made from the same samples and incubated anaerobically. In twenty-four hours the blood-agar plates showed a heavy growth of colonies which closely resembled in appearance those of *Str. agalactiae.* Further samples were taken at an interval of two weeks and again at two months. The cultures obtained were identical with those of the primary isolation.

Morphological and Cultural Characteristics:—Apart from the fact that the chains are of unusual length. even longer than those usually seen in *Str. agalactiae* infections. there is nothing distinctive about the morphology of this organism. It is strongly Gram-positive.

Cultural characteristics:—Agar growth is good, the colonies are convex, with entire borders, grayish glistening and vary in size up to about 2.5 mms. The growth is sometimes difficult to remove from the surface of the agar. On *blood agar* there is no hemolysis at first. but after two or three days a slight laking appears where growth is heavy. *Broth*—The growth has a strong tendency to form in fairly large loose clumps leaving the surrounding broth almost clear. *Litmus milk* is acidified and reduced. *Potato* growth is poor, if at all.

Fermentable Media:—Dextrose. saccharose. lactose. maltose. salicin, inulin, trehalose, esculin are fermented while mannitol. raffinose. sorbitol are not changed. Sodium hippurate is hydrolyzed.

Lancefield Precipitation:—This organism does not produce *Beta* hemolysis on blood agar and so does not belong to the groups which may be classified by this test. Negative results were obtained using group sera B, D and E.

Oxygen Requirements:—Although numerous sub-cultures have been made during the last twelve months. no growth occurs on aerobic incubation.

Pathogenisis:—No attempts have been made to reproduce the disease in cattle. The fact that the organism was present (a) in pure culture in the mammary gland: (b) that it persisted for at least two months and (c) that the gland was damaged with the formation of a typical inflammatory exudate would strongly suggest that the organism isolated was the cause of the disease.

Anaerobic Organisms in Mastitis:—Since the isolation of this organism anaerobic cultures have been made on the majority of milk samples submitted for mastitis diagnosis. On two occasions samples have given practically no growth with aerobic incubation, while heavy growth was present on the anaerobic plates. However in both of these cases further aerobic incubation resulted in growth although not to be compared in luxurience with the anaerobic growth.

Conclusion:—The anaerobic organism isolated does not correspond in its cultural characteristics with any of the strains of streptococci commonly found in mastitis milk. It may be an anaerobic variant of one of the common mastitis strains or it may be a new species.

THE NATURE OF THE INFECTION IN GANGRENOUS MASTITIS

During the last year we received twelve samples of milk or exudate from cases of gangrenous mastitis. Eleven of the samples gave pure cultures of *S. aureus.* In all cases the *Staphylococci* were strongly hemolytic. The remaining sample was mixed *S. aureus* and *E. coli.*

A combination of sulfathiazole and staphyloccus anti-toxin would be the ideal treatment, but the cases usually run such a rapid and fatal course that little time is available to institute highly specific treatment.

ACUTE BOVINE PULMONARY EMPHYSEMA

F. W. Schofield

This disease, also known as "rape poisoning" due to the frequency with which it occurs among cattle feeding on rape, is rarely seen during the summer months, but occurs almost exclusively during the Fall when animals are feeding on kale, rape and turnip tops. The outbreaks recorded occur in the middle of July and in pasture fed cattle. The disease is rarely reported in veterinary literature. Apart from reports which have appeared in the Report of the Ontario Veterinary College 1933, the only other report known to the writer is that made by W. J. Butler, Helena, Montana.

History:—The disease occurred in a herd of thirteen milking cows, none of which had recently calved. Of the thirteen, five showed severe symptoms, five showed slight symptoms, while the remainder were unaffected. The herd had been grazing for several weeks in a field which was unusually full of weeds. The land had been ploughed in the spring but not seeded. Chief among the weeds was the Canada thistle.

Symptoms:—The first symptoms noticed were accelerated breathing, diminution in the milk flow, and loss of appetite. Within twenty-four hours after the appearance of these symptoms the dyspnea was much more pronounced, the respirations being 45-55 per minute. The pulse was accelerated 90-100. The temperature remained normal, or but slightly accelerated throughout the cource of the disease. In several animals a fetid diarrhoea which was present early in the disease was followed by obstinate constipation. In all of the severe cases a paresis of the gastro-intestinal tract was present. Several animals showed slight jaundice. Sub-cutaneous emphysema in the thoracic and lumbar regions in some of the cattle appeared on the third or fourth days of the disease. Slight tympany occurred in several animals, acute tympany in one. The animals were sick for from three to seven days. One animal, the most severe case. died in about forty-eight hours after the appearance of the symptoms. The treatment given was purgatives with gastro-intestinal stimulants. as we believe the condition is essentially an enterotoxemia.

Post-Mortem:—The *lungs* were the only organs showing marked lesions of disease. Here the picture is usually so characteristic and constant. that when once seen it is not easily forgotten. or confused with any other disease. The lungs were emphysematous throughout. with large or small pockets of air causing acute local distentions. Congestion and oedema was wide spread so that little normal lung tissue remained. The *spleen* was normal in appearance. The *liver* was pale and friable. The *kidneys* were normal. The mucous membrane of the *abomasum* was slightly congested. The *small intestine* showed areas of congestion with what appeared to be numerous ecchymoses with laking of blood in the mucosa. Other organs were apparently normal.

Microscopic:—The *lung*—Congestion and oedema is present. but the characteristic feature is the enormous amount of damage to the alveoli. The alveolar walls are ruptured so that several alveoli coalesce forming a large irregular air space. The lobules are frequently separated from each other due to the presence of air or oedema. Small hemorrhages are frequently seen. Cell infiltration is not marked. but in some areas a few polymorphs with monocytes are seen.

Relation to Mineral Deficiency:—We have frequently noticed a relationship between pulmonary emphysema and mineral deficiency. In this case the owner stated that the cattle were frequently seen chewing bones and sticks. Phosphorous determinations were made on samples of blood taken from five of the sick cows. all of them fell below the normal P. content. The lowest was 1.85 m.g.%. the highest 2.85 m.g.% P.

Reference: Butler. W. J.: Pulmonary Emphysema or Asthma in Cattle: Lederle Veterinary Bulletin. Vol. IX. No. 1. 1940.

THE ISOLATION OF PASTEURELLA SUIS FROM THE GASTRO-INTESTINAL TRACT OF SWINE

In the majority of cases of acute gastro-enteritis in swine. the usual bacteriological method of culture rarely reveal the presence of significant organisms. *Salmonella* are occasionally isolated. and in necrotic enteritis *Salmonella* and *A. necrophorous*. but in most cases which come to the laboratory for examination the results are negaitve. Believing that the lesions were essentially those of an acute infection. it was decided to inoculate rabbits subcutaneously with scrapings made from the acutely inflamed mucosae. The mucous membrane was washed in flowing water to remove any injesta. the mucous membrane scraped and the mucous. along with particles of tissue. injected subcutaneously into rabbits. Cultures of the same material were made on blood agar and McConkey plates.

The results so far have been very interesting. Ten cases of acute gastro-enteritis have been dealt with and 50% of the rabbits inoculated have developed severe local necrotic and suppurative lesions. from which *Pasteurella* have been isolated in almost pure culture. In one case only was *Pasteurella* isolated by cultural methods from the intestine. Recently we have similarly inoculated lung tissue where inflammatory lesions were present. and yet no organisms of significance could be isolated. In one out of two cases we have recovered *Pasteurella* from the rabbit lesion. In this case the lung showed diffuse congestion and slight consolidation. and culture gave a fairly heavy growth of non-hemolytic streptococci. It is too early as yet to decide upon the significance of these findings. or offer an explanation for the results obtained.

THE USE OF SULFAPYRIDINE IN AN OUTBREAK OF ACTINOMYCES NECROPHOROUS INFECTION IN PIGS

Since Farquharson's discovery that sulphanilamide was a specific in calf diphtheria, others have used the drug successfully in a variety of infections due to *A. necrophorous*. An unusual outbreak of necrophorous infection occurred in a piggery among swine kept in an old pig run. The lesions were very characteristic; consisting of a central area of necrotic tissue or slough surrounded by a zone of acute inflammation. The lesions occurred on various parts of the body, shoulder, flank, or leg. In two cases the infection was very severe and a deep slough had occurred about the size of the palm of the hand. Sulphathiozole was given in doses of one grain per pound of body weight every day for two days and then reduced by 25% for the following two days. All of the treated pigs recovered. The effect of the drug was quite remarkable.

Reference: Farquharson, James, J.A.V.M.A., Vol. 97 (1940) p. 431.

SERUM-BACTERIN PROPHYLACTIC INNOCULATION OF SWINE

C. E. Phillips

The usual series of post mortems demonstrates the fact that *A. bronchisepticus* and *P. suiseptica* or a combination of these are responsible for most of the respiratory diseases in Ontario pigs. We have observed that where these organisms are present in the herd, the mortality can be very high. In an endeavour to reduce this mortality, which had exceeded 50% in some cases, a system of immunization was established. The herds selected had an average high mortality for one or more years, and both *Pasteurella* and *Bronchisepticus* had been isolated from pneumonia lesions at a recent date.

Observations would indicate that on these premises the pigs become infected shortly after birth. They may have sufficient resistance at birth or be provided with this resistance through the medium of the colostrum or sow's milk to withstand the effects of this bacterial invasion for several days, several weeks, or completely. Too often the records show a high mortality rate during some stage of this early growth period. Consistent with this view that the infection becomes established early in life we have been conducting a number of experiments in an endeavour to establish the value of early serum immunization followed by the inoculation of a bacterin at a suitable age. The preventive treatment consists of 1 cc. of bronchisepticus and 1 cc. of haemorrhagic septicaemia serum per pound of body weight administered within forty-eight hours of birth. This is followed by a bacterin containing these organisms at approximately three and four weeks of age. The results have been very encouraging. For several years the mortality in one large piggery had been approximately 33%. This year the mortality was 12% of three hundred and five pigs farrowed.

THE USE OF ACIDOPHILUS MILK IN THE TREATMENT AND PREVENTION OF LAMB SCOURS

C. E. Phillips

Several lambs, two to seven days old, were presented for post mortem and bacteriological examination. A history of dullness, diarrhea, and in many cases accelerated breathing was usually given.

A variable degree of enteritis or gastro-enteritis was observed on post mortem. This ranged all the way from a slight to a very acute gastro-enteritis. The lung lesions were also quite variable. the greater percentage being congested and oedematous. Anterior lobe consolidation was observed in two or three cases. and this again varied from red to grey hepatization. A small number of lambs showed no lung lesions. *Streptococci* or *Pasteurella* were the organisms isolated and an interesting observation was the fact that in many cases even though the intestinal lesions were slight the same organism was isolated from both the gut and the lung.

It is generally recognized that the intestine is permeable to proteins during the first few days of life. possibly for the first ten or twelve days, and in view of this fact it is logical to assume that the gut would be more permeable to bacterial organisms during this stage of growth. This observation is upheld by the number of cases of calf (colon) septicemia which follows calf scours. Thus we can assume that any unnatural bacterial flora including virulent colon could invade the intestinal mucosa and produce a septicemia or pneumonia.

With the object in mind of maintaining a harmless bacterial flora during the first few days of life it was decided to administer Lactobacillus acidophilus milk as a preventative. The reported results have been very encouraging and I have selected one flock for discussion.

On March 23rd. 1944. the flock owner brought in two of three dead lambs. four or five days old. and reported that he had seven more with diarrhea. Upon post mortem it was found that they both had a slight enteritis, one had a congested oedematous lung and the other pneumonia with the anterior lobes consolidated. A hemolytic streptococcus was isolated from the lung and intestine in both cases. The owner was instructed to administer three to four tablespoonfuls of acidophilus milk for several days according to the severity of the attack and until the diarrhea stopped. One case failed to recover: the other six according to the owner's statement showed improvement by the fourth day and appeared normal in one week. The owner stated that the dead lamb had been a severe case and it is presumed that extensive lung envolvement was present.

The owner was further instructed to administer two tablespoonfuls of acidophilus milk to each new born lamb following their first natural milk from the ewe. This proved effective and about forty lambs were successfully treated in this manner.

SALMONELLA PULLORUM INFECTION IN MATURE TURKEYS

J. S. Glover

In this laboratory *S. pullorum* is commonly isolated from turkey poults. but until this year we have not isolated the organism from adult turkeys. Agglutination tests of turkey bloods conducted in various laboratories in this Province indicate that pullorum disease in mature turkeys is rare.

Hinshaw (1) states "The diagnostic laboratories of the California State Department of Agriculture here reported several outbreaks in turkeys three to six months of age. Losses of this age group have, as a rule, been small. Subacute outbreaks have also been experienced in breeding flocks after they are in production. Such outbreaks are attributed to transmission by eating infected eggs and subsequent spread by the intestinal shedders of the organisms. Losses are usually small."

On account of the apparent rarity of this disease in mature turkeys in Ontario, the publication of this report seems to be justified.

February 11th. 1944. Dead male broad breasted bronze turkey brought into poultry disease laboratory. Bird had died the previous night. Approximate weight of turkey — 30 pounds. Approximate age — 7 to 8 months. Turkey received with two others at Acton on January 31st, 1944. Birds had been shipped from California about nineteen days before arriving in Acton. On arrival they were found to be in a sick condition. Gross post-mortem examination showed a general septicaemia. The mesenteries, testicles, lungs, intestines, peritoneum, and spleen were inflamed. The liver was studded with numerous necrotic foci and had ruptured, resulting in a large amount of clotted blood being deposited in the abdominal cavity. Besides being inflamed the mesenteries and intestines were thickened. The lungs were solid and contained many necrotic foci.

Brilliant green beef liver infusion and ox blood beef infusion agar plate cultures were made from the spleen, liver, testicles, intestines and lungs. Gram negative rods were found on all culture plates the following day. Saline suspensions of cultures from all plates were agglutinated with known positive pullorum sera. Carbohydrate broth fermentation tubes were isolated with pure culture from the brilliant green plates and incubated for forty-eight hours. Dextrose, Mannite, Arabinose, Galactose, Levulose, Rhamnose and Xylose were attacked with the production of acid and gas. Sucrose, Maltose, Dulcitol, Dextrin, Adonite, Inositol, Inulin, Lactose, Salicin, Raffinose and Sorbite were not attacked. Diagnosis—Pullorum Disease.

Samples of blood were obtained from the other two turkeys. These were both positive to the agglutination test using antigens prepared from four of our stock *S. pullorum* strains. They also agglutinated an antigen prepared from organisms isolated from the first turkey.

On February 14th another of the three turkeys died, and a post-mortem examination was made the following day. The lungs of this bird were solid and contained foci of infection. Pericarditis and orchitis were observed. Brilliant green liver infusion agar plate cultures were made from the lungs, heart, testicles, spleen, liver and intestines. Typical dew-drop-like colonies were found on all plates the following day. Stained smears showed these to be Gram negative rods, suspensions of which were agglutinated with known positive pullorum sera. Carbohydrate fermentation reactions were the same as found in cultures from the first turkey. Diagnosis—Pullorum Disease.

Samples of blood obtained from three other male turkeys shipped from the same place in California on or about January 31st, and arriving in Acton six days after being shipped, were negative to the agglutination test for pullorum disease, as were also samples from the other forty-one turkeys owned by the buyer.

Regarding the third of the first three turkeys shipped from California, which had apparently recovered in health, it was advised that it be not used for breeding purposes as it was a positive reactor to the agglutination test for pullorum disease.

Reference: W. R. Hinshaw, Division of Veterinary Science, University of California, Davis, California. "Diseases of Poultry".

EMBRYONAL NEPHROMA

These tumours are apparently found more frequently in chickens than in mammals. However, although avian tumours are often found here in specimens submitted for analysis, the first ones diagnosed as embryonal nephromas were received this spring. The specimens were taken from a five months old Barred Rock cockerel. Only the tumours were sent in for examination. These tumours, one large and one small, were composed of small, hard pearly nodules consisting chiefly of keratin, bone and hyaline cartilage. Encapsulation was not evident.

This report is published on account of the size and weight of the tumour. A very large one reported on by Feldman (1) weighed approximately 200 gm. The large one received here weighed, after it had been taken from the bird about a week, 802 gm., and measured 15 cm. x 10.5 cm. x 10 cm. The small one weighed 98 gm., and measured 9 cm. x 6 cm. x 4 cm.

Reference: William H. Feldman. Division of Experimental Medicine. Mayo Foundation. Rochester, Minnesota. Neoplastic Diseases. Diseases of Poultry.

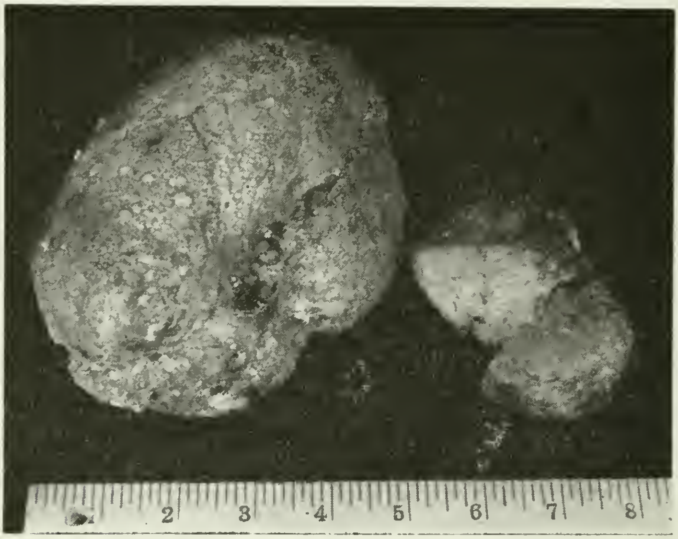

Photo by V. R. Brown

CLINICAL DEPARTMENT

R. A. McIntosh

This department has for its purpose the instruction of students in the art of clinical diagnosis and the application of animal surgery and veterinary medicine. During the course of the year and particularly in the academic portion of it, many cases in all species of farm animals and pet stock are submitted to the clinic. Apart from this a considerable number of post mortem examinations are made and some field work in the form of investigational visits and extension projects are done. Owing to the military training of the students the time allotted to clinical training has of necessity been somewhat curtailed since that requirement was put in force.

Cattle Diseases

In cattle many of the cases submitted are of an unusual character and in some instances difficult to handle successfully. The predominate ones are those in which some condition interferes with reproduction in both females and males. These cases of sterility are invariably highly bred animals of exceptional value and as a rule are submitted by some of the foremost breeders of livestock in the province.

Other clinical demonstrations of diseases which are responsible for serious losses in the bovine species such as mastitis, calf scours, calf pneumonia, necrotic stomatitis and nutritional deficiencies are made from cases available through the clinic. Sporadic diseases such as hypocalcemia, acetonemia, retention of the afterbirth, dystokia and many other conditions are also submitted from time to time or made available through the Agricultural College herds. As a result of the breeding of dairy type cows for extreme milk production and the capacity of many of such cows to produce exceptional amounts of milk. metabolic diseases and udder troubles are becoming more prevalent. Calf scours, infectious in character is another disease from which serious losses occur annually.

Swine Diseases

There has been an increase in the number of swine submitted to the clinic in the year. As in the past. many young swine are brought in for the correction of congenital aberrations such as serotal and umbilical hernias and also cryptorchidism. Not infrequently several pigs from the same litter will be affected in this manner which reveals that a genetic factor is probably responsible for these inherent weaknesses. Apart from the foregoing many others submitted are suffering from a disease in which usually a number of the herd or perhaps a whole litter may be affected. Quite often a diagnosis is made and the condition corrected by advice as to the manner in which the remainder of the pigs at home should be treated, cared for and fed. By tabulation of the numbers of pigs in the litters or lots from which thirty-nine cases of this nature were examined it was learned that there were 792 pigs either affected with or exposed to the diseases of the ones examined. This fact reveals the importance and value of this service and upon a number of occasions letters of appreciation have been received for the advice given. The diseases most frequently encountered in such instances are gastrointstinal disturbances, pneumonic affections and nutritional deficiencies or perhaps combinations of them.

Sheep Diseases

In this species there has also been an increase in the numbers submitted for examination and in most instances the cases represent flock diseases. Tabulations of the numbers of sheep and lambs in 54 flocks from which cases were examined amounted to 1755. The specimen cases were either brought in or shipped and came from many parts of the province.

Cases of stomach worm disease and many other forms of parasitism were most numerous. Other diseases such as scouring in the newborn, stiff lamb disease. nutritional deficiencies and pregnancy disease were presented for examination. There has also been a considerable number of inquiries regarding the loss of lambs and ewes at lambing time this past year. It was observed that during the grazing season of 1943 parasitism was exceptionally prevalent due no doubt to the continued moisture throughout the season which favours the metamorphosis of the immature forms of many of these parasites.

Horse Diseases

The cases of this species submitted are largely surgical in character. Poll-evil, fistulous withers and laryngeal hemiplegia are the most numerous. Other conditions frequently brought in for operation for hernias, cryptorchidism, dental disease and tumours. Lameness, hoof diseases and skin affections are also frequenly submitted. Other conditions such as retention of the after-birth, dystokia, nymphomania. and leucorrhea are dealt with upon occasions. The diagnosis of pregnancy using the chemical test on urine samples was demonstrated at several different times.

Dog and Cat Clinic

One afternoon a week is devoted to the examination, diagnosis and treatment of pet animals. Considerable numbers of female dogs and cats are presented for the spaying operation. These make useful operations for the demonstration of the different forms of anaesthesia which may be used and also for correct surgical procedure. X-ray demonstrations are held in cases of fracture and for other purposes whenever it is felt such examinations will aid in diagnosis and treatment. Other conditions such as digestive disturbances, distemper, parasitic diseases both internal and external, and skin affections are examples of clinical material submitted.

As examples of diseases in the different species handled in the clinic, the following are submitted:—

Coccidiosis in Cattle

Upon a number of occasions calves suffering with a bloody diarrhea have been submitted for examination. There have also been specimen samples of fecal matter sent in by practising veterinarians for microscopic examination and in a number of instances both of the cases submitted and the fecal samples coccidiosis was diagnosed.

In this brief report the owner who lives near Markdale in Grey County, brought in a four-months-old calf in a dying condition. The history of his experience dated back as long as three years during which time he stated that he had lost about fifteen calves. He claimed that the calves all died from a similar affection about the same time each season. They all became affected with a bloody diarrhea from which they succumbed. Some cases recovered. It was in August of 1943 when this calf was presented for examination. He had lost three, and two others recovered. This calf had been sick four or five days. The examination revealed that it was very anemic. Tenesmus and the expulsion of bloody fecal material were prominent symptoms.

In the post mortem examination the anemic state of the carcass was quite evident. The large bowels were swollen and petechial hemorrhages were present in the mucous membrane. Blood clots were also observed in the caecum and the colon. A microscopic examination of material from the diseased intestines revealed many oöcysts.

As these outbreaks had occurred in the summer while the calves were out on pasture in which there were stagnant pools of water, the owner was advised to either have them drained or to put the calves on other grazing ground free from such pools of water.

Cobalt Deficiency in Young Cattle

This mineral element exists in the body in only trace amounts and its use is not clearly understood. It is believed that it has to do with hematopoesis—the making of blood. It probably acts as a catalyst. At any rate animals deficient in the element become anemic. Cobalt deficiencies are known to occur in certain areas in certain countries. The condition has been reported in Australia and New Zealand. Again on the north American continent in the state of Florida where the term "salt sick" was originally applied to the ailment. More recently it has been reported in the state of Michigan.

Strangely the manifestations of a cobalt deficiency are similar to those observed in a phosphorous deficiency. Affected cattle show a depraved appetite and chew at wood partitions in the pens and stalls, lose their appetite and grow thin and emaciated. The loss of appetite is even more marked than in phosphorus deficiency. In Michigan the determination that the condition was not a phosphorous deficiency was made by the occurrence of the disease in herds where the foods were known to carry ample amounts of phosphorous and the recovery of the affected animals by the addition of a cobalt supplement to the diet.

As examples of the results obtained in cases of this nature are revealed in the following experiences:—

A breeder of Shorthorn cattle in Grey County wrote for information regarding a bull calf just over a year old which had been in the stable all of last summer and well fed on a variety of feeds such as mixed hay, roots, bran, oil-cake and in addition suckled by his mother until the cattle were stabled in the fall. He was in good condition. Rather suddenly he quit feeding and ate less and less until he was scarcely eating anything but trash. Out in the barnyard he would eat at a pile of horse manure. A quantity of cobalt sulphate with directions for its use was forwarded to the owner of the animal and on March 5th he commenced using it. For the first three days the patient had to be drenched for he was not eating enough food to get a sufficient amount of the cobalt to be of any value by mixing it with the grain. After three days he commenced eating and the cobalt was administered by giving it with his food. In about two weeks the animal was eating all the good feed the owner could give him and was doing fine.

On another occasion four Jersey calves from eight to twelve months of age went off feed in the same manner. They became very thin and spent the most of their time chewing at the wooden partition and the wall of the barn. These calves were well fed on a properly balanced ration. At the time of this examination they were a scrawny poor looking lot of animals. As they would drink some milk the cobalt solution was given with the milk. The wooden partition and wall was screened off with wire gates so they could not chew at them and they were also given Vitamin A and D potent cod liver oil. Regardless of this in a month's time after the commencement of the use of the cobalt these calves were sleek, looked good. had entirely gotten over their depravity of appetite and have done well ever since. According to the quality and variety of the feed they were receiving before they developed the deficiency there was no reason to suppose they needed the vitamin supplement other than the fact that they were not eating and it is felt that the cobalt supplement was the corrective agent.

Swine Erysipelas

Two outbreaks of this disease of limited character in a rather large piggery occurred in this season. In both instances it was the cutaneous form of the disease manifested by the square cut hemorrhagic blotches that appear on the sides and over the backs of the affected animals.

The first case appeared in a young boar who was being kept in a pen with an exercising yard where the disease appeared some few years before. He was first examined on July 26th at which time his temperature was about normal but he was indisposed. quite constipated and off feed. Pink blotches somewhat elevated could be observed at a number of sites on his back and along his sides. He was isolated and daily visits made to observe the course of the the disease. On July 27th his temperature was 104.5°, and he was given 30 ccs. of erysipelas antiserum, and a dose of laxative. The following day he was much brighter, and was eating but his temperature was still up to 104°. On the 29th he appeared almost normal and his temperature was down to 102.4°. The skin spots had practically all disappeared and they never became blood red or purplish in color. Contact pigs were given a prophylactic dose of antiserum. No other cases appeared at that time.

The second outbreak occurred about 8 months later and in this instance two young gilts kept for breeding purposes in a group of six developed the disease. It is remarkable too that these sows had never been out on ground. Any outdoor exercise they ever had was in a small cement floored, steel fenced yard into which their pen opened. No other pigs had shown the disease in this building for years.

When examined the first sow affected was quite sick, off feed, constipated and showed a number of pink elevated blotches on the skin of her body; her temperature was 106°F. She was given a curative dose of antiserum and the remaining five were all given a prophylactic dose. None of the others appeared sick or indisposed. However, the following day a second one showed skin lesions, was indisposed and her temperature was 105.5°. Both of the sick sows were again treated with antiserum and given a laxative dose of the liquid extrat of carscara sagrada. From that date on they continued to improve and in the course of a few days were quite normal No other member of this lot contracted the disease and no other pigs in contiguous pens developed it. The affected pigs had not been isolated for at the time it was impossible to remove them to any other place.

Swine erysipelas is a serious infectious disease of pigs which is evidently on the increase for greater numbers of outbreaks of it are being reported, than formerly. It appears in three forms. namely, acute, subacute and chronic. The diamond skin form of the disease is subacute and evidently not very contagious or easily transmitted. The organism (erysipelothrix rhusiopathae suis) is somewhat facultative since it is known to live in the soil and under favourable conditions multiply there. There is evidently much to be learned about the pathogencity of the organism and the epidemiology of the disease. The fact that human beings may contract the infection makes it very important that veterinarians school themselves thoroughly in the diagnosis of the disease as they meet with it in swine.

Vitamin B. Deficiency

There is a considerable amount of evidence that certain of the Vitamin B fractions are quite often wanting in the diets of young pigs particularly after weaning. In this regard the antipellagric fraction. nicotinic acid is probably most frequently lacking for when pigs are deficient in it scouring occurs. Upon occasions however there is evidence that other fractions may be lacking as well. The foregoing conclusions have been determined by the frequent favourable reports received from farmers who have submitted pigs for examination and who have been advised to make certain modifications in the feed they were providing for the pigs and supplementing it with dried brewers' yeast which contains the whole vitamin B complex.

As examples of this one farmer brought in two pigs from two different litters which were found dead in the pen that morning. They also complained that the remainder of the pigs were not thriving and appeared unhealthy. Some of them were diarrhoeic. The pigs were three months old and were weaned at eight weeks at which time they were in good shape. After weaning they were fed a grain mixture consisting of middlings 100 pounds, oat and barley chop 100 pounds. (the oats 2 parts and the barley 1 part) and a commercial concentrate 100 pounds with water. For a time they appeared normal but in the course of two or three weeks became unthrifty, started to scour and did not eat well.

The post mortem examination of the two specimens revealed a necrotic enteritis although in one the immediate cause of death had been due to strangulation of a portion of the small intestine. The owner was advised to fast the pigs overnight and give them linseed oil to drink in the morning at the rate of about a half pint for each pig. This was to be followed by feeding middlings alone to which was added certain amounts of dried brewers' yeast. As soon as they commenced to improve he was to gradually bring them back to their former grain ration but to continue with the yeast for some little time longer.

The pigs were brought in on February 5th. On March 9th the owner wrote that he had not lost any more and that the whole lot had done so well that you would not know they were the same pigs.

Another instance in which a vitamin B deficiency was diagnosed and which was corrected by suplementation of the diet with yeast occurred in a litter of six. The litter was ten weeks of age. They had been weaned at seven weeks. The pig brought in had shown signs of a staggering gait the previous day and when examined would knuckle over and shake. None of the litter were eating well. In this instance it was felt that it might have been thiamin—the antineuritic fraction was lacking. Here again the owner was advised to fast the litter overnight, give them linseed oil and follow with dried brewers' yeast in the grain. This subject was examined on April 19th and on April 27th the owner reported that inside of six days the pigs had completely recovered and were now quite healthy.

Stomach Worm Disease in Sheep

From March 31st to October 11th, nineteen cases of stomach worm disease were submitted for diagnosis. These were cases representing outbreaks of the disease in flocks from many different parts of the province.

As an illustration of such outbreaks the following report is of interest. The owner who lives at Maple, Ontario, brought in two lambs on September 8th, 1943. One lamb had died in the morning, the other was alive and able to move about but weak, anemic and emaciated. In this flock there were 150 ewes and 100 lambs. The shearling ewes of the flock had not been bred the fall before. The first losses occurred in May and the flock was treated with hemorrhagic septicemia bacterin. Later on more of the younger ewes and some lambs died. None of them were thriving. The losses continued until about 35 had died.

The post mortem examination of the dead lamb revealed a very heavy stomach worm infestation, marked anemia, and oedema extending from the region of the sternum forward along in the inferior cervivcal region to the intermandibular space. The living lamb manifested symptoms indicating the same disease and instead of destroying it and holding a post mortem examination it was treated for the disease by the administration of two tablets of phenothiazine.

The owner was advised to procure a sufficient number of the tablets to treat the whole flock and to have his veterinarian administer the medicine.

This was done, and on October 6th he reported that the lamb treated here had recovered and was doing well. He also stated that the flock had been treated as directed and that no further losses occurred.

Lead Poisoning in Cattle

Lead and arsenic are two elements which are probably responsible for greater numbers of cases of poisoning than any other mineral agents. This is because they are commonly used in insecticide sprays for horticultural purposes and lead in particular for paints. Cattle grazing in orchards or on grasses contiguous to orchards that have been sprayed may consume enough of the sprayed material to poison them. Again not infrequently a bit of waste land or a low spot in a permanent pasture is sometimes used by some farmers as a nuisance ground in which to dump paint cans and other rubbish which accumulates around the farm premises.

An outbreak of this nature in which lead was the poisonous element took place near St. Thomas last season. There were thirty cattle in the herd and they were all either a year old or two year old animals except for one milk cow. The cattle had only been turned out about 10 days when three of them took sick and died rather suddenly. There were three fields of cultivated pasturage in which they were able to graze. In the corner of one of these fields at the back of the farm was a pile of refuse in which paint cans containing a quantity of paint had been dumped. The owner had observed the cattle eating around the pile of refuse. At another place in one of the fields where the line fence came close to the buildings on another farm it was observed that refuse had been thrown over the fence into the field where the cattle were grazing. However nothing of significance was found there. A search of the field for poisonous weeds did not reveal any that are of a poisonous nature although the cattle had broused the foliage of some of the shrubbery growing along the fences.

A few days later two more of the cattle took sick and died and again two days later another of the animals was noticed acting queerly and standing off by herself. This one was evidently not as seriously affected as the others for they had all died within a few hours after first being noticed sick. The opportunity to watch this one closely and observe the character of the symptoms was possible. In all instances the owner and the veterinarians who had examined the former cases stated that they acted very nervous and showed mental derangement by walking in circles and bumping into objects. When the writer first saw this one she was lying quietly in a stall. After being made to rise she walked around the stall repeatedly and bumped into the corners. If one attempted to handle or restain her she became more violent. She would chew rapidly at times and grind her teeth. Muscular twitchings and spasmodic jerks involving the whole of the body occurred from time to time. Symptoms significant of a derangement of the central nervous system predominated. There was not any evidence of gastro-intestinal reaction.

The train of symptoms in this case and the history of the manner in which the others had manifested the disease indicated lead poisoning. The patient was given a dose of magnesium sulphate (the sulphates and sulphuric acid being the chemical antidotes for lead). She resented the handling necessary to drench her but a subsequent report revealed that she recovered in the course of a few days. The owner was advised to clean up and dispose of the refuse in the pastures and no further cases developed.

Hydrogen Sulphide Poisoning

This report deals with the poisoning and the death of a considerable number of young cattle which occurred as the result of feeding of a large amount of sulphur. It is believed that poisoning was due to the formation and absorption of hydrogen sulphide gas following the consumption of the sulphur.

There were 43 head of cattle in the herd. With the exception of three milk cows they were all young feeder cattle. Except for the three milk cows and four others they were allowed to run loose in several pens. different numbers of animals being allotted to each pen. Believing that the feeding of sulphur prevents lice and mange infestations in cattle the owner made a practice of feeding a quantity of it at times.

On this occasion the sulphur was fed with the evening meal. Previous to the feeding of them they had been deprived of water for a day owing to a breakdown in the water system of the barn. Because no water had been available they had only been fed lightly during that day and they were quite hungry. This may or may not have had some bearing on the occurrence of the poisoning. After watering them they were fed in the following manner. A quantity of silage was put in the manger first and then chop was placed on top of the silage and the sulphur was sprinkled on top of the feed. It was estimated that about thirty pounds of sulphur was used. It was observed that some of the cattle running loose refused to eat the sulphur-feed mixture while others of them ate greedily and it was believed that those animals which ate greedily were the ones which became sick and died. None of the stanchioned animals became sick.

The following morning about ten head of cattle were sick. five or six of which were unable to stand and in convulsions or almost comatose. The remainder of the sick ones remained standing but were somewhat affected and all died later on.

The symptoms in the early stages included the twitching of certain groups of muscles, especially those of the jaw, eyelids and ears. There was evidence of abdominal pain by lying down and getting up, switching and uneasiness. A staggery gait was also noticed. At first there was no evidence of diarrhoea, but by evening all of the affected animals were scouring badly. As the cases advanced they became unable to rise, acted as if blind, struggled violently and breathed with difficulty. Finally they became more or less comatose and died. The odor of hydrogen sulphide gas was very marked in the barn in the morning when it was first opened up and the exhaled air of all of the sick animals smelled strongly of it.

The post mortem examination revealed the lungs very dark in color, congested and oedematous. The liver had a boiled appearance. The stomachs showed little evidence of inflammation but the intestines were very acutely inflamed. Some of the muscles over the back and loins were almost black in color.

Most of the foregoing observations were made by Dr. C. L. Coghlin of Listowel, Ontario, and as he had been in communication with the writer from the commencement of the outbreak he finally requested consultation in the matter for even those animals which were not so acutely affected at first did not respond to treatment.

Samples of the sulphur were obtained and subjected to test for impurities such as lead and arsenic but no trace of any other poisonous agent was found. The toxicity of hydrogen sulphide is quite marked but most often occurs in chemical laboratories where students are experimenting with the gas. If the pure gas is inhaled it is immediately fatal and is toxic even when diluted to 1%. In humans, the symptoms are nausea, depression, giddiness, headache, laboured breathing, stupor and coma.

It is a somewhat common practice on the part of farmers to feed sulphur because of the belief that it prevents external parasitic infestations such as lice, mange and ticks. This idea is erroneous for it has been definitely proved that it has little, if any value, when used for this purpose in that manner.

Some Observations Referable to Mastitis

In a herd of cattle in which about forty cows are kept in milk, tests by bacteriological culture and microscopic examinations have been made twice a year for the last three years. The tests have been applied in the fall shortly after the cows are stabled and in the spring just before they are turned out on grass. This procedure has invariably revealed that many more of the cows subjected to the test are shedding streptococci following the stabling period than there are following the grazing period. As an illustration of this statement forty-two cows were tested in November 1943 and only two of that number showed streptococci. In May 1944, forty cows were tested and seven of them were shedding streptococci. Twenty-five of this latter group were cows that were tested last fall of which six had acquired the infection in the intervening time. Previously it was noted that some cows which were positive in the spring became negative during the grazing season.

This reveals that the incidence of infection is much greater during the stable feeding periods of the year and also that in some instances cows which were shedding streptococci will overcome the infection while on pasture.

Another finding of significance in the last test was that four of the positive cows had histories of teat or udder injuries. One of them had had two supernumery teats removed just prior to her last freshening date which remained open through which milk escaped after freshening. Another one had a teat injured by a stall mate stepping on it. A third one had been hooked in the quarter and the fourth became infected following a slitting operation on the orifice of the teat. In the latter case the teat leaks a small amount of milk just prior to the milking operation indicating a slightly patent orifice.

Regardless of the origin of the infection this feature indicates the important part injury plays in the incidence of the disease.

It is also observed that cows which develop very large udders and give very large amounts of milk soon after calving are more likely to develop mastitis than those whose udders do not fill up so prominently and which only secrete average amounts of milk. Very often these latter types do not dry off as quickly as the former and at the end of the lactation period will have given as much milk or perhaps more than the other cows which started off with such promise.

While not trying to lessen the importance of endeavoring to minimize and eliminate the infection responsible for the disease, nevertheless it is becoming obvious that there are many other factors which have to be given consideration when endeavoring to eliminate and control the disease in a herd.

REPORT OF THE PROVINCIAL ZOOLOGIST

L. Stevenson

Tutorial:—The courses in Zoology are arranged with a view of imparting to the student a broad knowledge of the subject. Particular attention is given in the Invertebrate Zoology course to impress upon the student a knowledge of the phyla concerned in Veterinary Parasitology. Hence a large part of the available teaching time in the second year course is devoted to the study of the protozoa, nemathelminthes, platyhelminthes and arthropoda. The third year course in Zoology is confined to the phylum chordata. In the Zoology Laboratory course full time is devoted to study and dissection of specimens representative of the various phyla, with special emphasis on the classes and orders containing the domestic animal parasites.

The course "*Diseases of Fur Bearing Animals*" has been arranged to cover all the known diseases of the carnivora, the herbivora that are used in fur production on Canadian ranches. The general fur ranching problems and disease prevention are fully covered in the course.

The course in "*Plant Toxicology*" also given by the Zoology Department, covers all known poison plants that grow in Canada and the Northern United States.

Routine:—Many specimens of fecal matter and tissue from silver foxes, mink, rabbits, sheep and swine were received and examined for the presence or absence of parasitic pests. Specimens of fish were also submitted to this department for determination of disease or naming. A number of samples of meat were received and examined to determine fitness for fur animal food. The scarcity and high price of horse meat have brought about a demand for other meats often of a doubtful or dangerous character. A circular was prepared during the year for distribution to fur animal ranches, under the title—"The Utilization of Dead Animals".

Autopsy Summary — Fur Bearing Animals

	SILVER FOX	MINK	NUTRIA	RABBIT
Parasitism	4	0	0	0
Pneumonia	4	12	0	1
Uraemia	1	5	0	0
Distemper	0	6	0	0

Avitaminosis	1	2	0	0
Food Poisoning	11	17	1	1
Gastric Ulcers	0	1	0	0
Coccidiosis	0	0	0	0
Necrobacillosis	2	2	0	0
Nursing Sickness	0	6	0	0
Heat Stroke	0	2	0	0
New Growths	0	1	0	0
Dystokia	0	1	0	1
Streptococcus	0	0	0	1
Bloat	4	0	1	1
Anemia	0	6	0	2
Enteritis	12	4	0	0
Dog Injury	0	0	0	1
Totals	39	63	2	8

The largest death loss in fur animals during the year was caused by food toxemia. This is in keeping with the experience of the past years. Distemper outbreaks were limited to ranches located near towns and exposed to uncontrolled distemper carrying dogs.

Specimens of fecal matter were received from fur animal ranches for examination. Parasitic infestation is now largely limited to foxes and rabbits kept on ranches where wire floors are not used. A nematode infestation in the liver of mink was noted on one ranch where it had caused considerable loss. With rabbits, infectious nasal catarrh proved to be as in former years, the most destructive rabbit disease. Coccidiosis is no longer a problem on rabbit premises where wire floor hutches have been installed and used. Much interest has been shown in rabbit husbandry. Over 500 letters of enquiry were received during the year. The possibilities of rabbit breeding in Ontario are not generally appreciated by many who are in a position to raise these meat. fur and wood producing animals.

The Fur Breeders' Conference

Assistance was given by this Department to the Directorate of the Ontario Fur Breeders' Association in the organization and carrying out of the program of the Annual Conference relating to the fur breeding industry. The conference was held on the 7th and 8th of June, being attended by 250 fur animal breeders, mostly specialists in Silver Fox or Mink production. Full use was extended by the Veterinary College of all its facilities, helpful to the Fur Breeders of Ontario for their convention and throughout the year.

Elk Liver Fluke in Cattle

Cattle from the Burwash section in the district of Nipissing, were slaughtered in an abattoir located near Guelph, and found to be heavily infested with the large liver fluke "Fasciola magna". These infested cattle were in poor condition and are reported to have used the same range as an elk herd imported from Alberta in 1932.

Extension:—Assistance was given to other branches of the Department when and where asked for. Investigation of animal losses in other sections of the Province were carried out to the extent that time and transportation facilities would permit.

ANNUAL REPORT

OF THE

Department of Highways

ONTARIO

FOR THE FISCAL YEAR ENDING MARCH 31st

1944

PRINTED BY ORDER OF
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SESSIONAL PAPER No. 32, 1945

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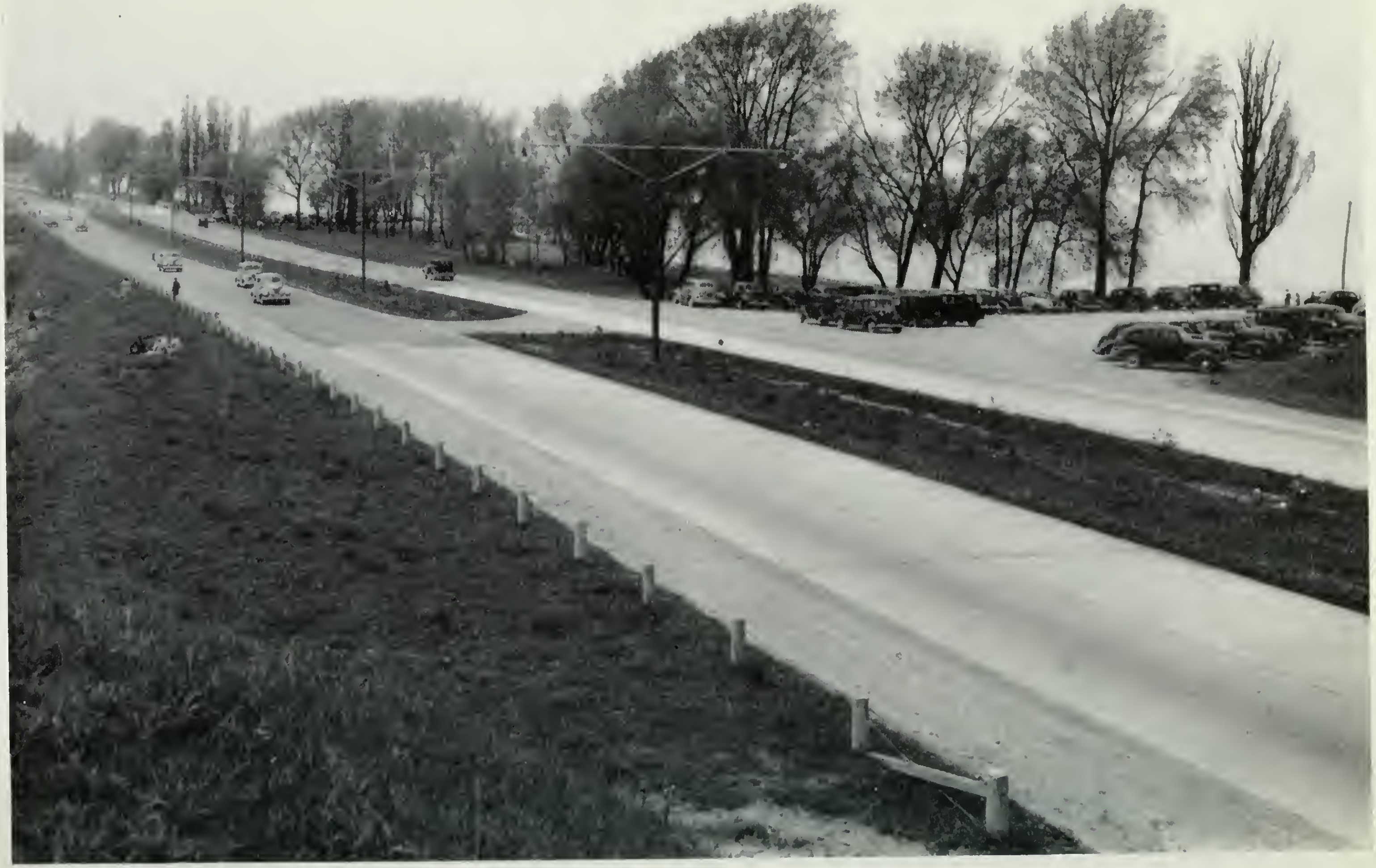
1944



THE QUEEN ELIZABETH WAY AND ROADSIDE PARK AT JORDAN HARBOUR

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To The Honourable Albert Matthews, LL.D.,
Lieutenant-Governor of the Province of Ontario.

May it Please Your Honour:—

The undersigned has the honour to transmit the Annual Report of the Department of Highways, Ontario, for the fiscal year ending March 31st, 1944.

Respectfully submitted,

Geo. H. Doucett,
Minister.

Department of Highways, Ontario,
Toronto, March 30th, 1944.

To The Honourable Geo. H. Doucett,
Minister of Highways, Ontario.

Sir:—

I have the honour to present herewith Report on the activities of the Department of Highways for the Fiscal Year ended 31st March, 1944.

The Report covers operations and functions performed by the various branches, including King's Highways, Municipal Roads, Bridge Construction, Accounting, Gasoline Tax and Motor Vehicles.

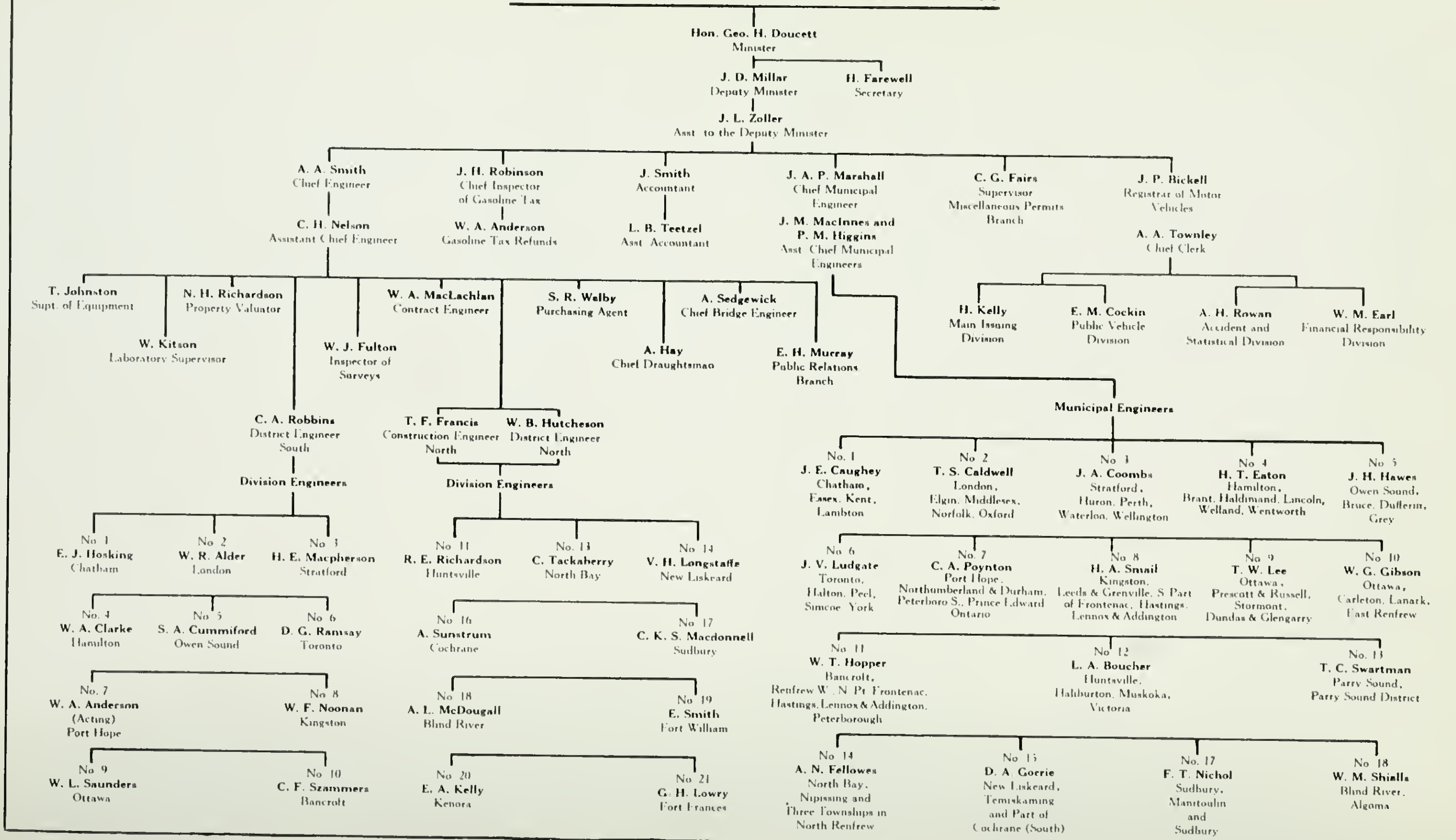
I have the honour to be, Sir,

Your obedient Servant,

J. D. Millar,
Deputy Minister.

Department of Highways, Ontario,
Toronto, March 30th, 1944.

1943
ORGANIZATION CHART
DEPARTMENT OF HIGHWAYS ONTARIO



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VAIR, ROBERT R.
VanALLEN, CLAYTON
VANSICKLE, ALEXANDER J.
VANSTONE, WILLIAM S.
VIGNAULT, J. A.

WADDELL, WILLIAM J.
WALLACE, MISS MARGARET E.
WALTERS, ALFRED A.
WANDABENSE, DANIEL
WATSON, RAY
WATSON, ROY J.
WEAVER, MISS MARGARET G.
WESTWOOD, WILLIAM
WHEELER, JAMES K.
WHITELAW, JACK W.
WHITMARSH, JOHN M. G.
WILSON, F. A. W. J.
WILSON, HIRAM P.
WINLOVE-SMITH, STUART L.
WOOD, JOHN H.
WRIGHT, MISS EVELYN A.

YOUNG, PERLEY C.

ZAVITZ, HAROLD B.

HONOUR ROLL
of the
DEPARTMENT OF HIGHWAYS

Commemorating the names of those of our staff who are serving with the active forces.

ACHESON, MURRAY M.
ACOTT, WILLIAM L.
ADAMSON, HOWARD M.
ADDY, ROBERT
ANDERSON, JOSEPH
ASHBEE, EDWARD
ASTROP, VERNON R.
AUDETTE, J. LEON
AYLWARD, CHARLES

BAIRD, WILMOT J.
BANKS, JOSEPH G.
BARCLAY, JOHN D.
BARKER, LESLIE
BARR, MOSSOM E.
BAUER, RICHARD R.
BEATTIE, WILLIAM
BEAUDRO, ROXY J.
BELL, FRANK V.
BELLAIRE, ALEX
BESSEY, JAMES W.
BEWCYK, MIKE
BILYEA, FREDERICK G.
BLACK, WENDALL
BLATT, LOUIS
BOND, ROBERT W.
BONTER, NORMAN A.
BOOTH, GORDON H.
BOTH, SAMUEL G.
BOTTRILL, GEOFFREY F.
BOWLAND, GEORGE H.
BOYES, JOHN C.
BOYLE, GERARD L.
BRAGG, GEORGE H.
BREITHAUPT, PHILIP W.
BRISCO, GERALD
BROWN, HARTLEY C.
BUFFETT, GEORGE
BUNCOMBE, HECTOR M.
BUTTON, FREDERICK V.

CALLIGHAN, RICHARD J.
CAMERON, ROBERT A.
CAMERON, RODERICK H.
CAMPBELL, ALEXANDER B.
CAMPBELL, MORLEY W.
CARDEY, WILLIAM T.
CARLSON, EDWIN W.
CARR, AUBREY C.
CASH, ERNEST
CHEEVERS, MICHAEL J.
CHIDDENTON, SIDNEY J.
CHILD, MURRAY
CLARK, HOLLIS J.
CLAUSEN, CARWIN D.
CONLIN, GERARD H.
CONRON, ROY W.
COOPER, WILLIAM
COX, JOHN J.
CRANSTON, JAMES A.
CROSSETT, STANLEY
CROSSING, WILLIAM B.
CROUCH, GEORGE
CURRIE, DONALD J.

DALEY, JOHN F.
DAY, E. MacCLEMENT

DICKINSON, WILBUR J.
DOWN, HAROLD W.
DOWNING, JOHN P.
DREW, ESMOND D.
DUFF, HARRY D.
DUFF, ROBERT

ST. LAWRENCE RIVER ROAD, WEST OF BROCKVILLE

Robert Melville Smith

Robert Melville Smith, who, due to ill-health, on June 1st, 1943, resigned as deputy minister of the Department, which position he held since 1927.

Mr. Smith, a native of Kingston, Ontario, and a graduate of Queen's University with the degree of B. Sc. in civil engineering, is one of the originals of the Department. Following three years with the Department of Mines on geological survey work in the north, and a further two years' service with the Department of Public Works, he was assigned, in 1916, to the newly organized Department of Public Highways. During subsequent years he served in various engineering capacities, rising to the position of chief engineer in 1925. Two years later he was appointed deputy minister and when, in 1937, the Department of Northern Development was amalgamated with the Department of Highways, he became deputy minister of the combined department which assumed control of the roads of the entire province.

Few men in the road-building field are as well known throughout Canada; none have contributed to a like extent in the development of highway policy and design. When the Alaska Highway was projected as a military undertaking, Mr. Smith's extensive knowledge of Canadian road-building conditions was drawn upon by the United States Army and the Public Roads Administration and during its construction he served, not only in a consultative capacity to these authorities, but as head of one of the four management contractors engaged in the work. It was on one of his trips to the Alaska Highway that he suffered the collapse that led to his retirement.

Mr. Smith is a member of the Engineering Institute of Canada which, at its annual meeting last February, awarded him the Julian S. Smith medal for "achievement in the development of Canada." The citation which accompanies the award reads, in part, as follows:

"The successful development of the admirable highway system of Ontario during the past twenty years has been in no small measure due to the supervisory work of Robert Melville Smith, first as chief engineer and then deputy minister of highways, and since 1937 as deputy minister of the combined Departments of Highways and Northern Development. In these capacities his administration has been far-sighted and economical. He has been called in as consultant on many important projects, among which may be mentioned the extensive programme of the Grand River Conservation Commission and the Alaskan Highway."

Such appraisals of his materialistic achievements, as expressed in this citation, the staff of the entire Department endorse whole-heartedly. But they will remember "R. M.", not so much as a builder of highways, but as the builder of the Department, in which they take such pride, and under whom it was an honour and a pleasure to serve.

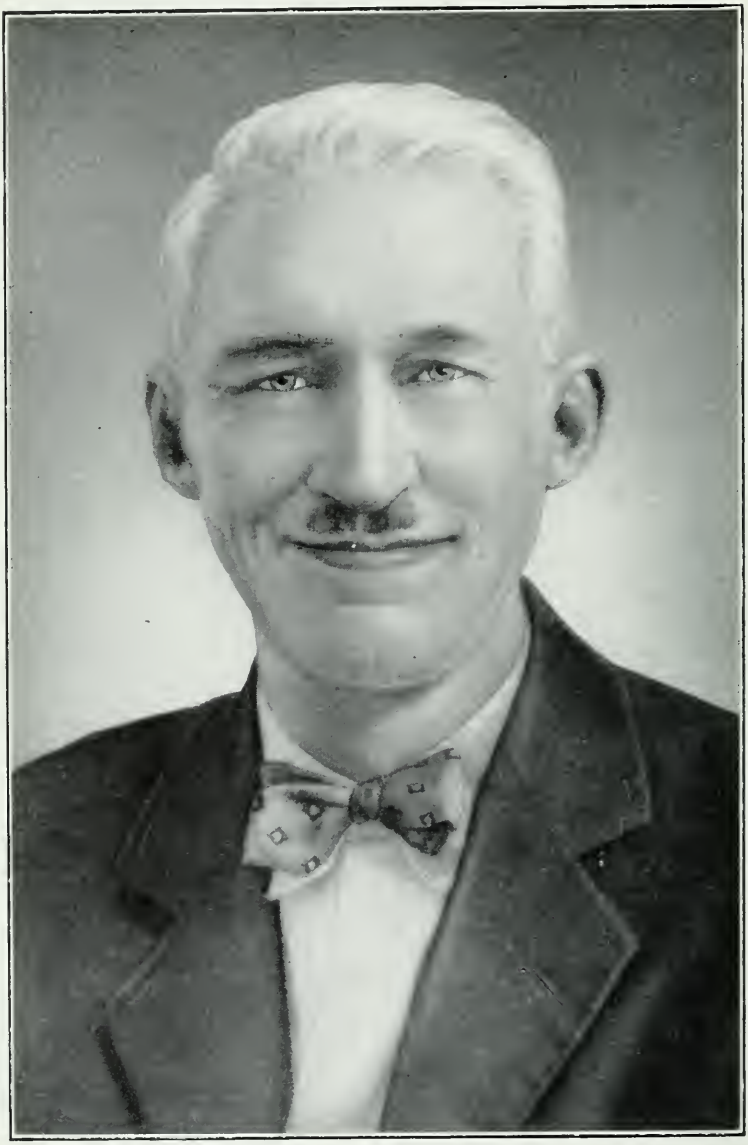
John D. Millar

John David Millar, who succeeds R. M. Smith as Deputy Minister of the Department. Mr. Millar, like his predecessor, has spent most of his career with the Department.

Born near Brockville, Ontario, in 1907, he graduated with honors in civil engineering from Queen's University in 1930 and immediately joined the Department as an instrumentman. While attending university, he spent one vacation period in survey work with the Department and another with the consulting engineering firm of Hagey & Gray Engineering Company of Fort Erie.

In 1932, Mr. Millar was appointed district engineer of the Municipal Roads Branch at Port Hope and was transferred to Cornwall in 1935, and to London, in 1937, in similar capacities. After two years in charge of the London office he became assistant engineer with the Department at Toronto, and following the amalgamation of the Department of Northern Development with the Department of Highways he was sent on an inspection survey of the highway system of the whole province, including King's highways, secondary roads and roads previously under the jurisdiction of the Department of Northern Development. He thus acquired a thorough insight into highway conditions throughout the province and into the engineering problems involved in road construction under a variety of geographical and traffic conditions.

From the outbreak of the war until his appointment as deputy minister, Mr. Millar acted as engineering assistant to the deputy minister. His duties in recent years have not been of a stereotyped character, but have involved contacts with all branches of the Department that have well equipped him to handle the administration of what is the largest and most complex highway organization in Canada.



THE LATE JOHN SEARS

In Memoriam

John Sears

The passing of John Sears, following a short illness, came as a shock to his many friends in the Department and amongst the road-building fraternity throughout the Province. His death occurred at his home on January 28th, 1944.

He was a native of Ontario, having been born in Kingston in 1879. For the past nine years he had lived in Port Hope.

A graduate of Queen's University, in civil engineering, in 1905, with the degree of B.Sc., Mr. Sears became associated with the Department in 1922 and, for the next 22 years, held engineering positions at Chatham, London, Toronto and Ottawa, going to Port Hope in 1935 as division engineer.

In his earlier years Mr. Sears served for three years as a resident engineer with the Temiskaming and Northern Ontario Railway; for two years thereafter he was engaged as a contractor on the National Transcontinental Railway, and in 1910 he joined the Canadian Pacific Railway maintenance-of-way department in Toronto. In 1911 he was appointed to the engineering staff of the Queen Victoria-Niagara Falls Commission, and two years later he joined the Rocmac Road Corporation, leaving in 1916 to take employment with the Imperial Ministry of Munitions. After the close of the war he engaged in manufacturing until his appointment to the staff of the Department of Highways. In his death the Department loses an admired and capable employee.

With the retirement of George F. Hanning as division engineer at Hamilton, and which took effect March 31st, 1944, the Department loses the services of one of its most experienced and capable engineers.

Born at Bowmanville, Ontario, and a graduate of the School of Science of the University of Toronto in 1889, Mr. Hanning was appointed to the staff of the Department in 1921 as one of the three division engineers under whose jurisdiction the operations of the Department were carried out. Mr. Hanning was placed in charge of the western division, with headquarters at St. Thomas. In 1926, when the number of divisions was increased, he was appointed division engineer of the Grimsby division and administered this division for the following eighteen years.

After graduation from the University of Toronto, Mr. Hanning was employed for three years as instrumentman with the City of Toronto. From 1896 to 1904 he was in western Canada as resident and division engineer with the Canadian Northern Railway and the Canadian Pacific Railway. For the next ten years he served as location and construction engineer for the Canadian Northern Railway in eastern Canada and in 1914 joined the Ontario Hydro-Electric Power Commission as location engineer and held this position until he joined the Department in 1921.

The Department will miss Mr. Hanning's extensive engineering experience and the personal association with a man who so easily made, and held, sincere friendships.

IN MEMORY OF
HARRY MARTYN
1865 – 1937
THE FIRST PATROLMAN
ON THE KINGS HIGHWAYS
OF ONTARIO
1918–1934

Memorial erected by the Department of Highways in 1943, in memory of the late Harry Martyn, the first patrolman appointed by the Department and who was employed in that capacity from 1918 to 1934.

Located in the roadside park adjacent to Highway No. 2 at Welcome, where Mr. Martyn lived from early boyhood, and on the former site of the blacksmith shop in which he was employed previous to his appointment with the Department, the memorial symbolically consists of a red granite stone picked off the roadside in the immediate vicinity and placed on a concrete foundation. On the face of the stone appears a King's Highway crest upon which are inscribed these words:

IN MEMORY OF
HARRY MARTYN
1865–1937
The First Patrolman
on the King's Highways
of Ontario
1918–1934

HIGHWAYS OF ONTARIO

By J. D. Millar, Deputy Minister

During the period covered by this Report for the fiscal year ending March 31, 1944, the activities of the Department were confined largely to the maintenance of existing road surfaces in an effort to keep essential traffic moving. Expenditures for construction were approximately one quarter those for maintenance, whereas in normal years the proportion would be the reverse. The total revenue of the Department was $36,795,335.00, a substantial increase over the sum of $32,492,303.48 for the preceding year. As explained in the reports of the Chief Inspector of Gasoline Tax and the Registrar of Motor Vehicles, however, this increase is largely accounted for by deferred payment of Gasoline Tax subsidy under Dominion-Provincial agreement and also to the fact that many motorists believed it was necessary to register their vehicles before March 31, 1942, in order to secure gasoline ration books. Expenditure remained approximately constant at $19,159,414.20 as compared with $19,780,385.26 during the 1942–43 fiscal year.

During the year an amendment was incorporated in the Gasoline Handling Act providing for the sale of marked gasoline to farmers, licensed commercial fishermen and others by means of an exemption permit system, replacing the former method of rebate of gasoline tax under individual affidavit.

As will be noted from the following reports, the Department operated under considerable difficulty due to shortage of labor, materials and equipment. Lack of asphalt, in particular, greatly retarded patching and surface treatment. In compensation, however, the winter of 1942–43 was unusually moderate with the result that little difficulty was experienced in keeping the highways open during the winter.

Paving was completed on Highway 40 during the season and this road was officially opened to traffic by the Honourable George H. Doucett, Minister of Highways, on October 27, 1943, providing a modern traffic artery between Chatham and Sarnia, which combines utility with scenic beauty. Early in the summer the last link in a transcontinental highway, the 153-mile section between Hearst and Geraldton, was opened to traffic. Due to war conditions, this road was placed in service without any opening ceremony which would normally have attended the completion of a highway of such importance to Ontario and Canada as a whole.

In addition to the maintenance of the road surfaces above mentioned, the Department started a programme of planting permanent snow hedges which, when completed, will be of great assistance in snow-plowing operations.

The work of the Surveys' Branch of the Department during the year has been of major importance and in addition to completing surveys of 244 miles of highway in the course of routine mapping there has also been completed 447 miles of location and engineering surveys for postwar work. Studies were also made in co-operation with the various town and city planning commissions where the highways entering the municipality would be affected by the proposals of these planning boards.

The total assistance given to counties, townships and other municipalities amounted to $4,909,180.85, an increase of $1,319,700.12 over the preceding fiscal year. This increase, made on the request, and in co-operaton with the municipalities, shows the essential part which the secondary road system of the Province is playing in the prosecution of the war. During the year, increased subsidy was granted on bridge construction carried out by the municipalities.

During the year, initial steps were taken in the revision of the areas controlled by the various division offices throughout the Province to effect a more equitable distribution of road mileages and to make the offices more accessible to the general public. In Northern Ontario a considerable number of township roads were transferred to the Municipal Roads Branch to give the unorganized municipalities closer supervision by the Department.

The records of the Motor Vehicles Branch indicate only a slight reduction (3.32%) in motor vehicle registration from the previous year. Commercial vehicle registration increased slightly, reaching an all-time high of 97,717. A total of 11,025 accidents were reported during the year, resulting in 549 deaths, injury to 628 persons and property damage loss estimated at $1,674,589. While there were 18 fewer persons fatally injured than in 1942, the death rate on the ratio of mileage driven (gasoline consumption) was higher than during the previous year. With the removal of present driving restrictions, an increase in accident frequency may be predicted unless serious effort is devoted to accident prevention by all agencies and organizations concerned with this problem.

During the year the Department lost the services of three engineers who had made a lasting contribution to highway development in the Province. A respected and honored member of the Provincial Civil Service since 1911, and Deputy Minister of the Department from 1927, R. M. Smith, B.Sc., LL.D., was forced by ill-health to retire from active duty in June, 1943. George Hanning, B.A. Sc., a valued member of the staff since 1921, retired as Division Engineer at Hamilton. In January, 1944, John Sears, B.Sc., Division Engineer, died at his home at Port Hope. A member of the staff since 1921, Mr. Sears' death was a shock to his many friends and associates throughout Canada.

REPORT OF THE HIGHWAYS ACCOUNTANT

By John Smith, Accountant

To J. D. Millar, Esq.,
Deputy Minister of Highways.

The following is a summary of the Disbursements and Receipts of the Department of Highways for the fiscal year, April 1st, 1943, to March 31st, 1944:

Disbursements

King's Highways and Development Roads, etc.	$ 12,997,510.42
Subsidies in Aid of County Roads	1,975,872.73
Subsidies in Aid of Township Roads and Indian Reserves	2,933,308.12
Administration, etc.	1,252,723.93
	$ 19,159,414.20

Receipts

Gasoline Tax	$ *27,285,170.76
Motor Vehicles	9,366,737.08
Permits: Garages, Gasoline Pumps, etc.	99,288.44
Miscellaneous and Sundries	44,138.72
	$ 36,795,335.00

* This total is made up as follows:

Balance due from Dominion Government from previous year	$ 1,612,238.04
Actual tax collections	19,167,960.88
Paid by Dominion Government on account of this year's tax handling licenses	6,500,000.00
Total	27,285,170.76

REPORT OF GASOLINE TAX REVENUE

By J. H. Robinson, Chief Inspector Gasoline Tax

To J. D. Millar, Esq.,

During the fiscal year ended March 31, 1944, the gross revenue from gasoline tax amounted to $22,098,310.16. Refunds to farmers, manufacturers, motor boats, etc., amounted to $2,930,349.28, leaving a net revenue of $19,167,960.88.

In accordance with the terms of the Dominion-Provincial Agreement, subsidy of $7,440,329.71 was due to the province, based on net revenue of $26,608,290.59 for 1940–41. Payments were received as follows:

July, 1943	$ 1,500,000.00
January, 1944	5,000,000.00
Balance due	940,329.71
	$ 7,440,329.71

An amendment was incorporated into the Gasoline Handling Act, effective July 1st, 1943, providing for the sale of marked gasoline to farmers, licensed commercial fishermen, licensed guides and licensed or bona fide tourist outfitters, by means of an exemption permit system. The total sales thus made represent a tax value of $603,356.66.

Revenue received from Gasoline Handling Licenses was, as follows:

Total Revenue	$ 4,988.84
Refunded	17.00
Net Revenue	$ 4,971.84

REPORT OF MISCELLANEOUS PERMITS BRANCH

By C. G. Fairs, Supervisor

To J. D. Millar, Esq.,

I have the pleasure to submit for your perusal the following 1943–44 Fiscal Year Report:

Building Permits

Number of Permits Issued		456
Approximate Value of Buildings	$	992,739.00

Public Garage Licenses

Number of Licenses Issued — Class "A"		3,630
Number of Licenses Issued — Class "B"		3,222
Total	$	51,120.82

Gasoline Pumps — King's Highway Outlets Only

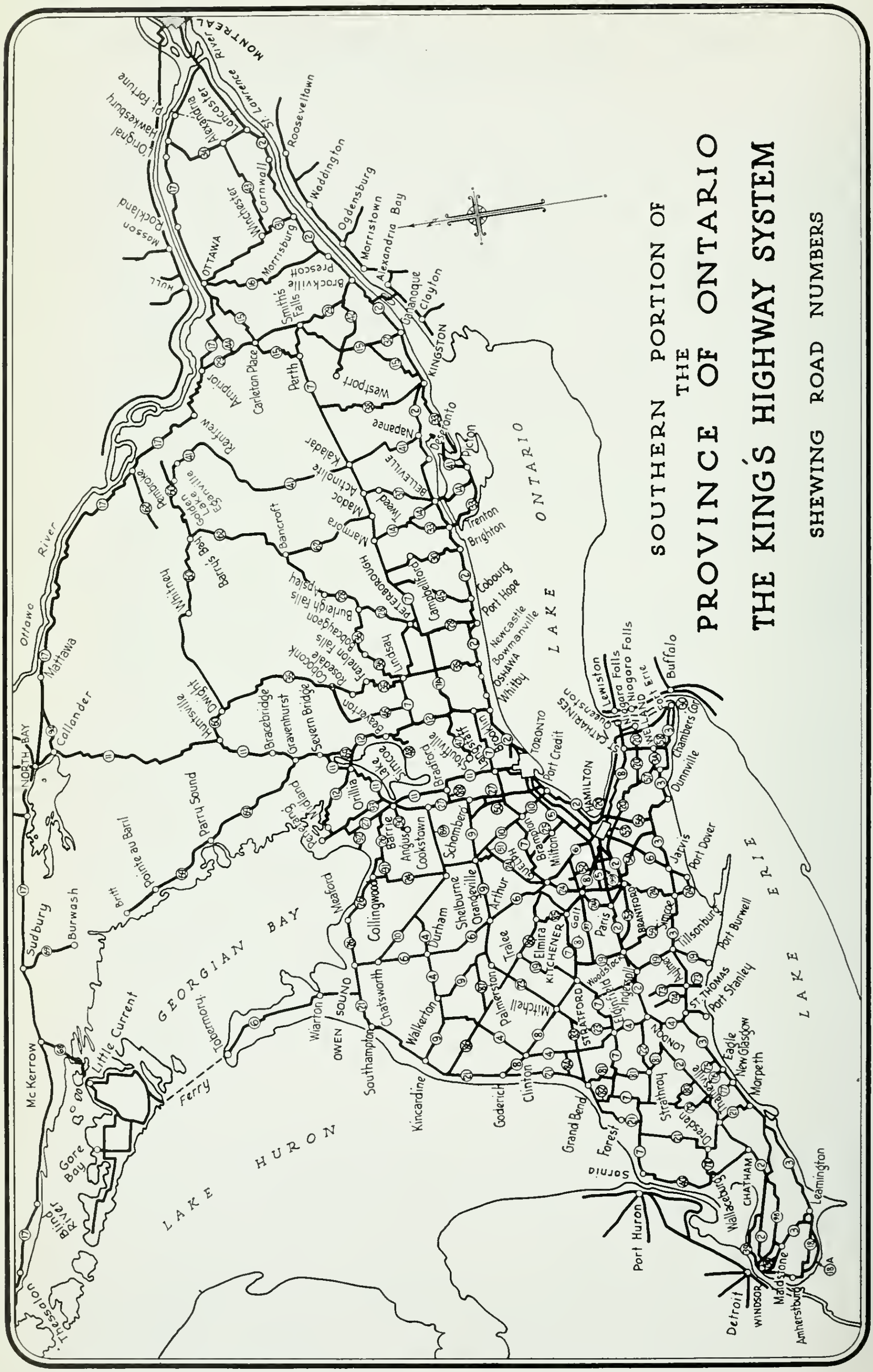
Permits $25.00 (Curb)		A480
Permits 5.00 (8 ft. to 25 ft. from Highway Boundary)		2,191
Total	$	32,246.41

Signs

Permits $1.00		C631
" 5.00		B2,040
" 10.00		A466
Total	$	15,921.21

Permit fees received, as mentioned above, will coincide with the Treasury Department receipts for the Fiscal Year.

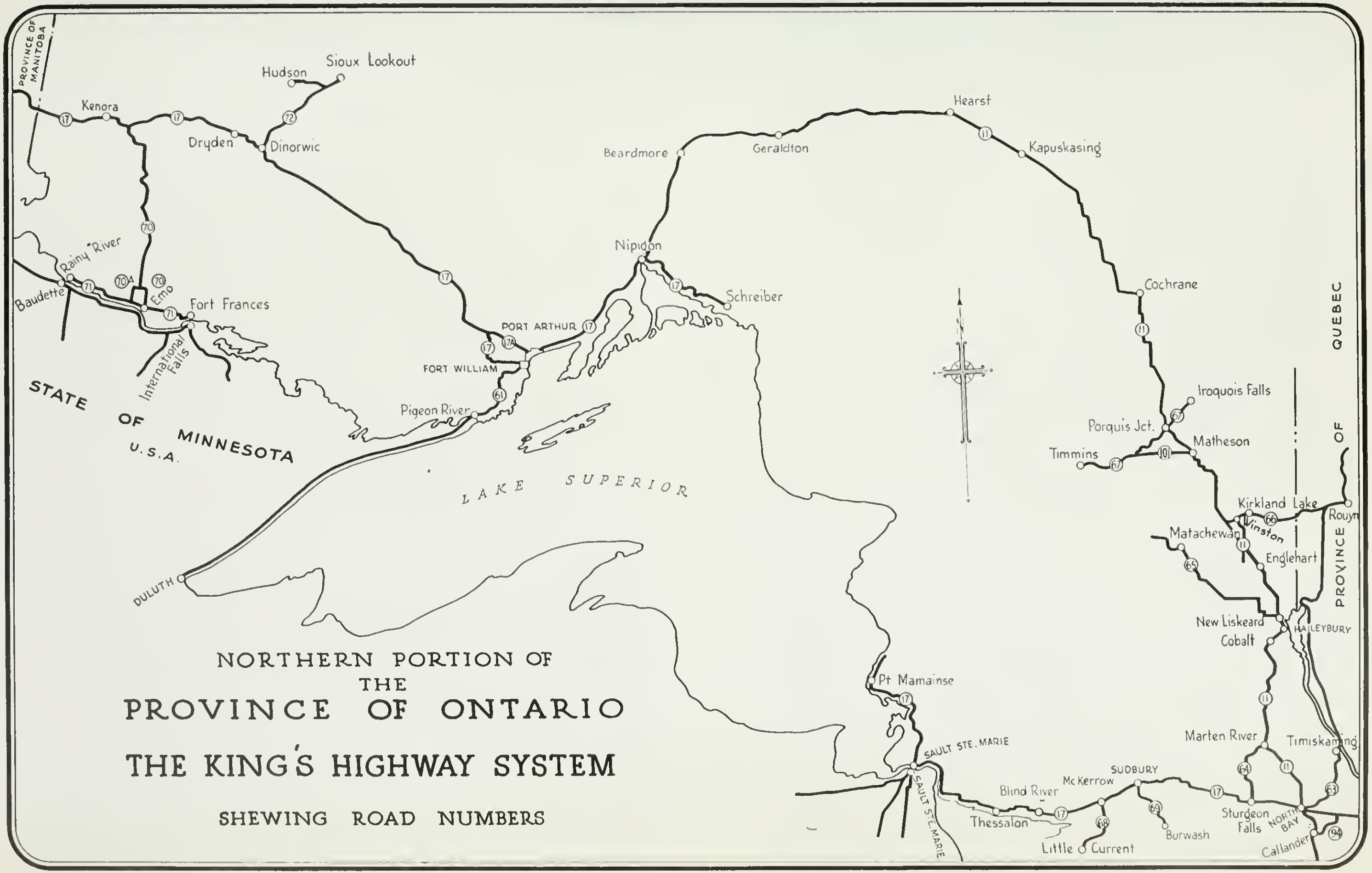
Garage, Gasoline Pump and Sign Permits are issued as of the Calendar Year, January 1st, to December 31st, 1944.



SOUTHERN PORTION OF
THE
PROVINCE OF ONTARIO
THE KING'S HIGHWAY SYSTEM
SHEWING ROAD NUMBERS

M-1266-8
Bulletin - 1934

MONTREAL
St. Lawrence River
L'Orignal
Hawkesbury
Pt. Fortune
Alexandria
Lancaster
Rooseveltown
Cornwall
Winchester
Waddington
Ogdensburg
Morrisburg
Morristown
Alexandria Bay
Masson
Rockland
HULL
OTTAWA
Prescott
Brockville
Gananoque
Clayton
Smith's Falls
KINGSTON
Carleton Place
Perth
Westport
Arnprior
Renfrew
Napanee
Deseronto
Picton
Kaladar
Pembroke
Golden Lake
Eganville
Actinolite
Madoc
BELLEVILLE
Tweed
Trenton
Brighton
Marmora
Bancroft
Barry's Bay
Whitney
PETERBOROUGH
Campbellford
Cobourg
Port Hope
Newcastle
Bowmanville
OSHAWA
Whitby
Apsley
Burleigh Falls
Bobcaygeon
Lindsay
Fenelon Falls
Rosedale
Coboconk
Beaverton
Dwight
Huntsville
Bracebridge
Gravenhurst
Severn Bridge
Mattawa
Ottawa River
Callander
NORTH BAY
Sudbury
Burwash
Britt
Pointe au Baril
Parry Sound
Midland
Penetang
Orillia
Lake Simcoe
Barrie
Angus
Cookstown
Bradford
Stouffville
Aurora
Langstaff
Brooklin
TORONTO
Port Credit
Schomberg
Brampton
Milton
HAMILTON
ST. CATHARINES
Queenston
Lewiston
Niagara Falls
Niagara Falls
Fort Erie
Buffalo
WELLAND
Chambers Cor.
Dunnville
Jarvis
Port Dover
LAKE ERIE
Simcoe
Tillsonburg
Port Burwell
BRANTFORD
Paris
Galt
GUELPH
Arthur
Orangeville
Shelburne
Durham
Collingwood
Meaford
GEORGIAN BAY
Chatsworth
OWEN SOUND
Wiarton
Tobermory
Ferry
Walkerton
Southampton
Kincardine
Elmira
KITCHENER
Tralee
Palmerston
Mitchell
STRATFORD
Woodstock
Ingersoll
Embro
Aylmer
ST. THOMAS
Port Stanley
LONDON
Goderich
Clinton
Grand Bend
Forest
Sarnia
Port Huron
Strathroy
Dresden
Eagle
New Glasgow
Morpeth
CHATHAM
Wallaceburg
Leamington
Detroit
WINDSOR
Maidstone
Amherstburg
LAKE HURON
Gore Bay
Little Current
Mc Kerrow
Blind River
Thessalon
Lake ONTARIO


PROVINCE OF MANITOBA
Kenora
Hudson
Sioux Lookout
Dryden
Dinorwic
Rainy River
Baudette
Emo
Fort Frances
International Falls
STATE OF MINNESOTA
U.S.A.
PORT ARTHUR
FORT WILLIAM
Pigeon River
DULUTH
LAKE SUPERIOR
Nipigon
Schreiber
Beardmore
Geraldton
Hearst
Kapuskasing
Cochrane
Iroquois Falls
Porquis Jct.
Matheson
Timmins
Kirkland Lake
Winston
Rouyn
Matachewan
Englehart
New Liskeard
HAILEYBURY
Cobalt
PROVINCE OF QUEBEC
Pt Mamainse
SAULT STE. MARIE
SAULT STE. MARIE
Thessalon
Blind River
McKerrow
SUDBURY
Little Current
Burwash
Marten River
Timiskaming
Sturgeon Falls
NORTH BAY
Callander
17
70
70A
71
72
17A
61
11
67
101
66
65
64
63
68
69
94

NORTHERN PORTION OF
THE
PROVINCE OF ONTARIO
THE KING'S HIGHWAY SYSTEM
SHEWING ROAD NUMBERS

M-1266-9
Bulletin 1938

ANNUAL REPORT FOR 1943

KING'S HIGHWAYS OPERATIONS

A. A. Smith, Chief Engineer

The past year saw activities on the King's Highways and secondary roads ebb to the lowest point since the amalgamation of the former Department of Northern Development with the Department of Highways. Particularly was this so as regards new construction. During the year the last of those projects undertaken to expedite the war effort were completed. As a result, expenditures for construction were approximately only one quarter those for capital whereas in the years immediately preceding the outbreak of hostilities capital outlay was seven times that for maintenance. The figures for King's Highways of only 14 miles of new highway constructed and three miles of concrete pavement and 6.9 miles of mulch laid illustrate clearly to what an extent construction was curtailed.

As in the past few years scarcity of labor and of materials played an important part in carrying out maintenance and construction. Lack of asphalt, in particular, greatly retarded patching and surface treatments. Following the exceptionally severe winter of 1942–43 the past winter was unusually moderate and little snow fell during the first half of the season. As a result, little difficulty was experienced in keeping the highways open throughout the winter.

Initial steps were taken in the revision of division boundaries to effect a more equitable distribution of road mileages in the respective divisions and to more centrally locate the various division offices. The most important change was the amalgamation of the Parry Sound and Huntsville divisions with the division office at Huntsville. The western boundary of the Cochrane division and the eastern boundary of the Fort William division were extended to join at Longlac, and Manitoulin Island and Highway No. 68 were transferred from the Blind River to the Sudbury division.

Township roads in the Algoma and Sudbury districts and in Manitoulin Island were placed under the jurisdiction of the Municipal Roads Branch.

Summary of Construction Projects

Early in the summer the last link in the transcontinental highway, the 153-mile section between Hearst and Geraldton, was opened to traffic. Although virtually completed late in the previous fall, the arrival of winter prevented its use to traffic until after the spring breakup. Some grading and gravelling, not completed in the previous year, was carried out and the steel superstructure of the Kabinakagami River bridge erected.

The paving of Highway No. 40 was completed with the laying of three miles of concrete pavement between Courtright and Corunna. The only other surfacing operations of any extent consisted of the laying of 6.9 miles of mulch on Highway No. 17 between North Bay and Laronde Creek to connect with existing pavement at either end, and an additional nine miles of mulch on the Bracebridge-Glen Orchard road.

The badly disintegrated pavement on Highway No. 2 between Ingersoll and Thamesford was resurfaced with concrete for a distance of 3.9 miles, as were similar shorter sections of broken pavement on various other highways.

Highway No. 29, south of Smith's Falls

Resurfaced pavement on Highway No. 3 between Jarvis and Nelles Corners

The only grading work of any extent, outside of that between Hearst and Geraldton, was the completion of the 16-mile diversion of Highway No. 28 between Apsley and Bancroft.

Bridge construction was also curtailed and the greater part of it limited to timber structures on northern township roads. A steel bridge 180 feet long was erected over the Blanche River on the Englehart-Charlton Road and a floating bridge of log mats 300 feet long across the Montreal River on the Matachewan-Ashley Mine Road. On the diversion of Highway No. 28 a bridge of 108 feet span was erected over Paudash Creek.

At the end of the 1943 fiscal year ending March 31, 1944, the total mileage of the different types of surfaces comprising the King's Highway System was as follows:

Concrete	1799.84	Miles
Asphalt	391.03	"
Mixed Macadam	818.95	"
Penetration Macadam	364.96	"
Retread	554.17	"
Macadam	143.38	"
Gravel	579.59	"
TOTAL	7651.92	"

Mileage constructed during the fiscal year ending March 31, 1944, was as follows:

Concrete Pavement (Single Lane)	3.04	Miles
Gravel Mulch	6.90	"
Grading	14.00	"

The details of the various grading and paving work and of bridges under construction follow later in this report. Details of bridges completed during the year are listed in the Chief Bridge Engineer's report.

Roadside Maintenance

Very little planting was done along the highways in the past year, and as all shrubs and trees planted previous to 1941–42 have now passed the cultivation stage and are well established, only those planted within the past two years required attention. At the Farm Nursery, at Midhurst, some 100,000 additional small trees and shrubs were planted and the raising of trees from seed continued. This latter will, in future years, be used to replenish stock removed from the nursery.

In several divisions snow hedges were planted along selected sections of highways. These will not only form permanent snow fence but will also add greatly to the appearance of the right-of-way.

SURVEYS BRANCH

Land Surveys

Despite the further depletion of 'the staff, due mostly to enlistments in the Armed Forces, title surveys were made having a length of 244 miles and affecting 838 owners exclusive of 66 surveys having a total length of 64 miles across Crown Lands. The area surveyed had a total of 5,053 acres. In addition to the above, 1,107 acres were acquired as widening on 31 miles of existing highways which had been surveyed in previous years and on which the information originally obtained was sufficient to obviate the necessity of additional field work.

Revision of Highway No. 60 between Madawaska and Barrys Bay

Newly constructed section of Highway No. 28 between Apsley and Bancroft

During the year 45 surveys were made having a total length of 24 miles to acquire 344 acres of land for planting hedges for snow breaks to prevent drifting on the highways. In addition, 5 parcels were surveyed containing a total of 45 acres which the Department intends to develop as park areas.

Location and Engineering Surveys

Most of the staff of the Location and Engineering Branch were occupied with post-war surveys and planning. In the field 247 miles of proposed new locations together with plans, profiles and contours were completed. Aerial photographs were taken of 2200 square miles, mostly in Northern Ontario. Small scale plans were prepared and proposed highway routes were selected and marked on the plans and photographs. Some of these have been run in the field while others remain to be investigated. The section of the Trans-Canada Highway between Schreiber and White River was surveyed and cross-sectioned.

In connection with the existing King's Highway system surveys for post-war construction were made of some 200 miles of road together with plans for 14 bridge surveys. This was in addition to the surveys required for current work and special surveys for accidents and investigation for the Provincial Police and condition plans for building sites for the Department of Public Works.

Considerable time was spent preparing study plans of the King's Highway system for the purpose of making a classification of the different roads according to their relative importance. This was to facilitate the enforcing of the various departmental regulations such as building restrictions which vary according to the importance and width of the highway. It was also to facilitate the preparing of estimates and the subsequent letting of post-war contracts.

Studies were also made in co-operation with the various Town and City Planning Commissions where the highways entering the Municipality would be affected by the proposals of these Planning Boards.

Division No. 1 — Chatham

The last unpaved gap on Highway No. 40, the 3.04 miles between Courtright and Corunna, was paved with concrete. Some 3,000 rods of fencing along this highway was moved back and re-erected. Otherwise only general maintenance, surface treatment and sundry construction was carried out.

Division No. 2 — London

The old concrete pavement between Ingersoll and Thamesford, on Highway No. 2, which had disintegrated badly, was resurfaced with concrete with an average thickness of from 6 inches to 8 inches over a distance of 3.91 miles and the new top constructed 22 feet wide. Extensive concrete patching, to the extent of 38,883 square yards, necessitated by frost action in the subgrade and by severe disintegration of the surface, was carried out on old concrete pavements throughout the division.

The Long Point Bridge, south of Port Rowan, was repaired.

Department garage and paint shop at Bancroft

Department Equipment Shed at North Bay

Division No. 3 — Stratford

Concrete patching was carried out on Highway No. 4 between Brucefield and Clinton, on Highway No. 7 between Shakespeare and Kitchener, and on Highway No. 8 between Seaforth and Clinton. Bituminous patching was done on Highway No. 7 from Stratford easterly for three miles, and on Highway No. 8 between Stratford and Sebringville, and spray patching on Highway No. 7 between Stratford and Elginfield, on Highway No. 8 between Dublin and Goderich, and on Highway No. 23 between Mitchell and Teviotdale.

Two new culverts were built and one culvert extended on Highway No. 8 between Seaforth and Goderich and a new culvert built on Highway No. 86 west of Molesworth. A new floor slab was laid on a concrete culvert on Highway No. 23 south of Atwood and the abutments of the bridge east of Gorrie on Highway No. 87 refaced. Six miles of fence was erected on Highway No. 23 between Russelldale and Mitchell.

Division No. 4 — Hamilton

Two access roads, one at Fruitland, the other at Fort Erie, to The Queen Elizabeth Way, were constructed and, in the latter case, surfaced. Collision walls beneath the railway overpasses and approach slabs to same were constructed between Lundy's Lane and Fort Erie, and the steel handrail erected on all structures, with the exception of those at Tea Creek and Bowen Road, on this section of The Queen Elizabeth Way. Also on this highway a storm sewer was installed at Stoney Creek. The stone breakwater at Jordan Harbour was extended 800 feet. Bellevue Street, in Niagara Falls, was extended to permit access to The Rainbow Bridge Entrance from The Queen Elizabeth Way, and surfaced.

The shouldering of Highway No. 3 between Jarvis and Nelles Corners and the grading of the diversion on Highway No. 52 south of Copetown were completed. The grading and paving of the Ancaster Diversion on Highway No. 2 was 90 per cent completed. Three quarters of one mile of concrete patching on Highway No. 2 was done.

Division No. 5 — Owen Sound

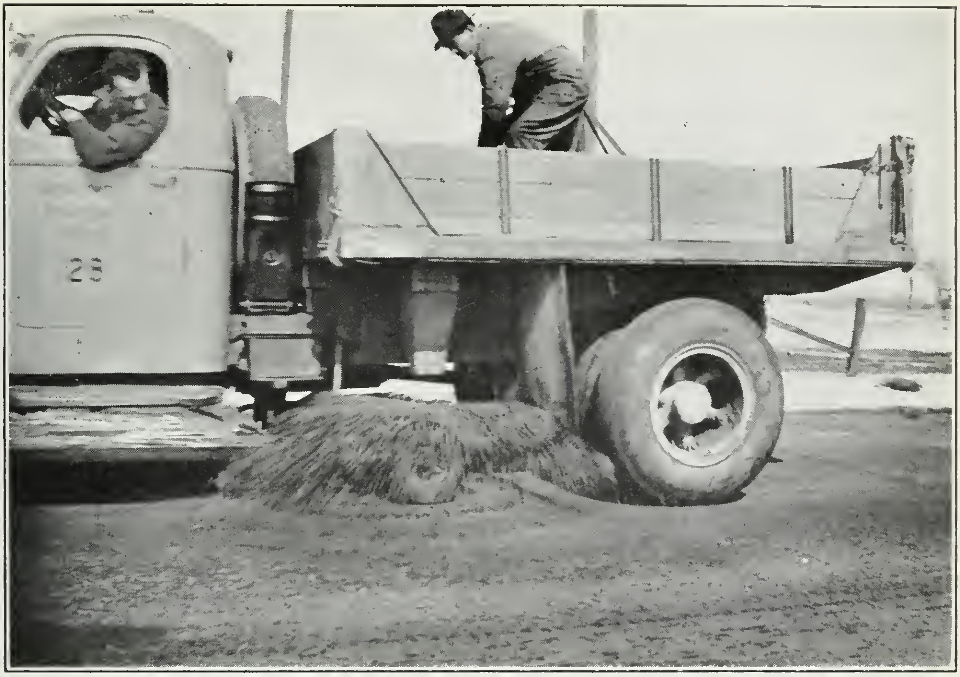
Outside of re-erecting the bridge at Thornbury, on Highway No. 26, which collapsed in the spring, only general maintenance, surface treatment and sundry construction was undertaken.

Division No. 6 — Toronto

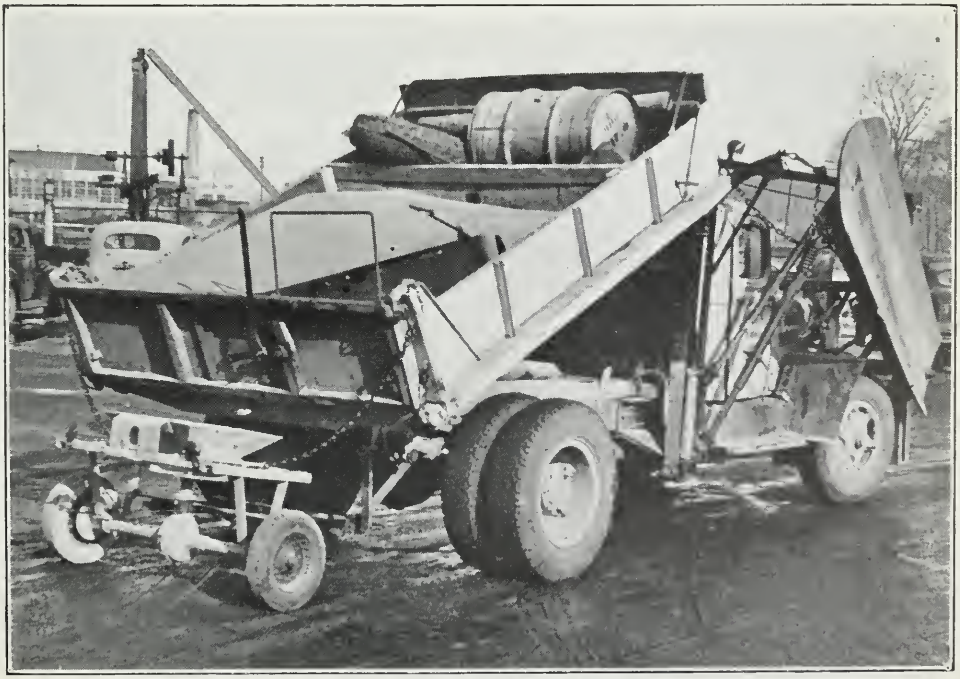
Approximately 6,300 square yards of old asphalt and concrete pavement on Highway No. 2 between Toronto and Oakville were replaced. On Highway No. 10, near Derry west, one third of one mile of pavement was resurfaced with a penetration pavement and on Highway No. 90 two miles of the asphalt pavement was resurfaced.

On Highway No. 2 between Port Credit and Oakville 1,000 feet of storm sewers and several thousand feet of tile drainage were installed and the shore line on either side of Mimico Creek was protected from erosion by the placing of 2,000 tons of heavy rip-rap and stone fill. A further 546 feet of storm sewers were installed on The Queen Elizabeth Way in Etobicoke Township.

Regrading and the placing of drainage tile preparatory to sodding to eliminate erosion was undertaken at Woodbridge on Highway No. 7 and at Bolton on Highway No. 50. Drainage tile was installed and resodding undertaken at Elder's Mills cut on Highway No. 27.



Two types of sanding machines developed by the Department



On Highway No. 12, immediately south of Greenbank, three concrete culverts were replaced and extended in length. Another culvert on Highway No. 27, just north of Highway No. 49, was floored in concrete to protect the footings. New drainage structures were installed at the approaches to four bridges south of Kleinburg and the approach fills regraded and sodded.

On the divided highway between Toronto and Oshawa 239,000 square yards of sodding was laid to allay erosion between Rosebank and Oshawa. The grading, construction of storm sewers and sodding of slopes within Oshawa was completed. The service road from Cromwell Street westerly was graded and gravelled. Storm sewers were installed at the east end of the Rouge River Bridge.

The weigh scale pit at Etobicoke Creek was replaced and the foundation of the weigh scale building repaired. A new brick snow-plow shed, to replace the one burned the previous winter, was constructed at Cooksville and the addition and alteration to the Electrical Service Building was completed.

DIVISION NO. 7 — PORT HOPE

A concrete culvert was built on Highway No. 35 south of Coboconk to overcome flooding conditions. Otherwise only general maintenance, surface treatment and sundry construction was undertaken

DIVISION NO. 8 — KINGSTON

Culverts were built at Odessa on Highway No. 2 and north of Roblin on Highway No. 41 and the large culvert at Murvale on Highway No. 38 raised two feet. Otherwise only general maintenance, surface treatment and sundry construction was undertaken.

DIVISION NO. 9 — OTTAWA

Extensive bituminous patching was carried out throughout the division. Some widening and fencing was done on Highway No. 44 between Carp and Almonte. A new storm drain was built in the village of Orleans on Highway No. 17 and sidewalks constructed in the village of Spencerville on Highway No. 16 and in the town of Alexandria on Highway No. 34.

A double snowplow garage, with accommodation therein for plow operators, was erected at Alexandria.

DIVISION NO. 10 — BANCROFT

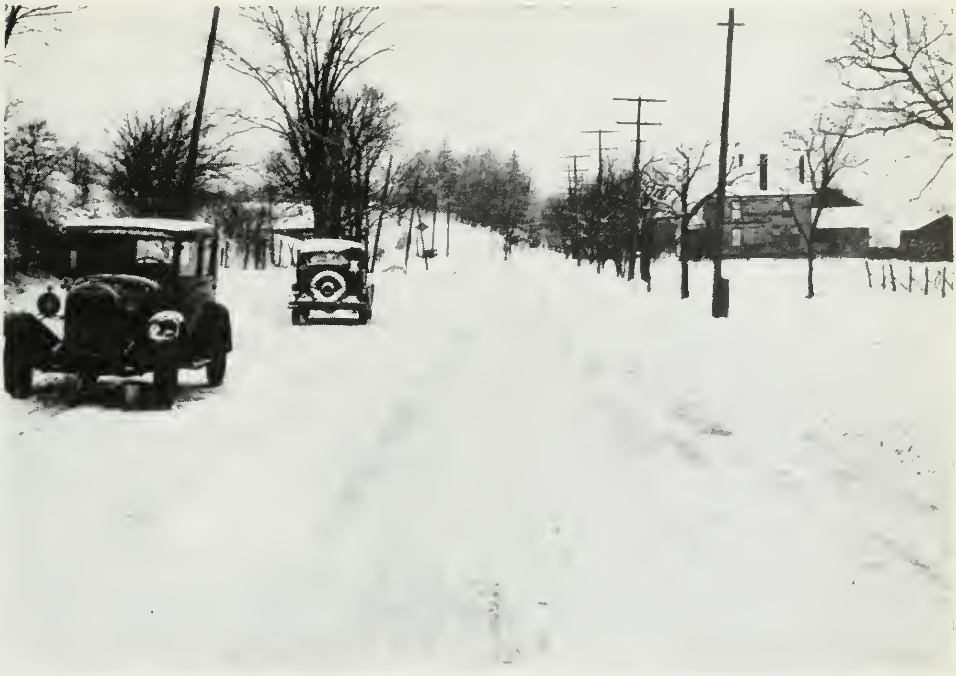
The sixteen-mile diversion on Highway No. 28 from Apsley towards Bancroft was completed during the year and an additional 1.7 miles on this highway at Paudash Lake was also built.

The diversion at Mazinaw Lake on Highway No. 41 was completed and two pioneer type roads to war industries constructed.

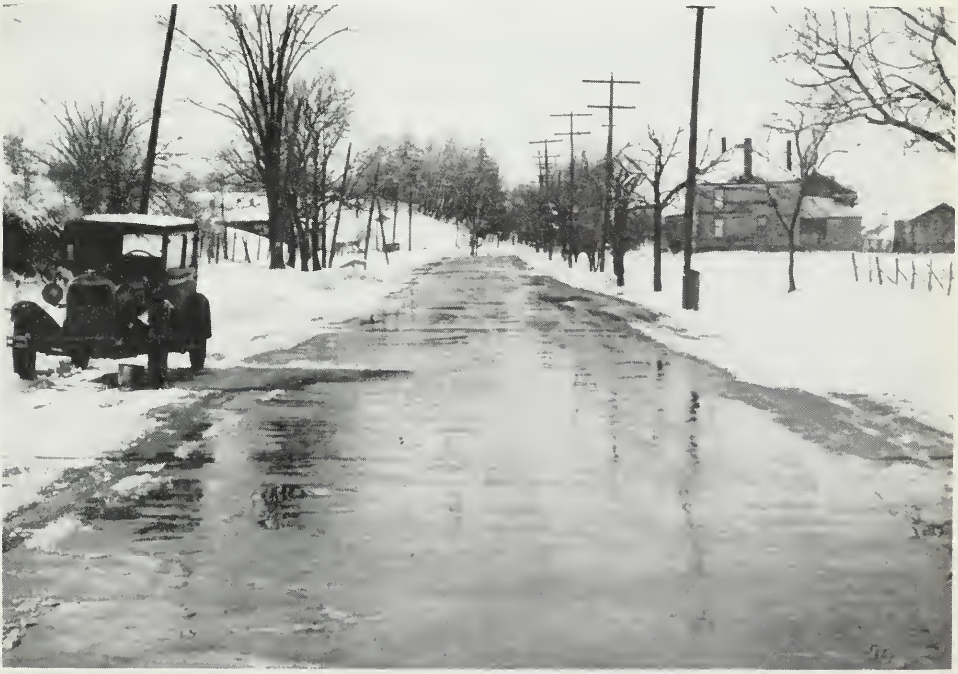
DIVISION NO. 11 — HUNTSVILLE

Numerous sections of damaged pavement on Highways Nos. 11, 60 and 69 were resurfaced with hot-mix. Nine miles of mulch surface were laid on the Bracebridge-Glen Orchard road.

Towards the end of the fiscal year, Division No. 12 was amalgamated with Division No. 11 with the division office at Huntsville.



Effect of pure chemical in eliminating snow from highway surfaces. Time interval between two pictures, four hours.



DIVISION NO. 12 — PARRY SOUND

With the exception of resurfacing with hot-mix of sections of damaged pavement on Highway No. 11 only general maintenance and sundry construction was undertaken.

As mentioned above, this division was amalgamated with Division No. 11 shortly before the end of the fiscal year.

DIVISION NO. 13 — NORTH BAY

A mulch pavement was laid on Highway No. 17 for a distance of 6.9 miles between North Bay and Laronde Creek to connect with existing pavement at either end. Sections of damaged pavement on this highway between Pembroke and Petawawa, and totalling 1.5 miles in length, were resurfaced with a road-mix mulch.

A diversion, 0.6 miles long, one mile west of Field on the Field-River Valley road, to eliminate a dangerous section of the road paralleling the Sturgeon River was constructed. This section of old road slid into the river in the spring. The Purdy Mica Mine road, 2.7 miles long, was regraded and gravelled on a 50-50 basis with the Federal Government.

A new brick equipment building was erected.

DIVISION NO. 14 — NEW LISKEARD

Extensive mulch patching was carried out on the old retread pavement between Latchford and New Liskeard on Highway No. 11. Otherwise only general maintenance, surface treatment and sundry construction was carried out.

DIVISION NO. 16 — COCHRANE

With the opening to traffic of the Hearst-Geraldton section of the trans-continental highway, the western boundary of the division was extended to Longlac. Between Hearst and Longlac the last of the grading and gravelling was completed. The steel superstructure of the Kabinakagami River Bridge was erected and a start made on laying the concrete slab.

The Departure Creek Bridge, held up by the scarcity of labour and difficulty in obtaining aggregate, was 55 per cent completed.

DIVISION NO. 17 — SUDBURY

One mile of mulch pavement was laid to connect the village of Chelmsford with the Levack Road and regrading and widening operations were continued on the Levack Road. A short section of the Capreol Road, north of Sudbury, was raised to overcome spring flooding conditions.

Extensions and improvements to the heated storage facilities at the garage were completed and a cold storage shed erected.

DIVISION NO. 18 — BLIND RIVER

The grading operations on the two-mile extension of Highway No. 17 north of Montreal River were shut down at the end of May. Filling over reinforced concrete culverts at Mile 16 and Mile 20 north of Sault Ste. Marie was completed.

A number of native timber bridges and culverts were built on secondary and township roads and improvements made to the main roads on Manitoulin Island.

DIVISION NO. 19 — FORT WILLIAM

A seal coat was applied to nine miles of Highway No. 17 east of Port Arthur and to 17 miles of Highway No. 61. Regrading of sections of Highway No. 11 between Hardrock Mine and Bankfield Mine to improve alignment was carried out during the summer but, due to labour scarcity, was not quite completed.

The eastern boundary of this division was extended to Longlac.

DIVISION NO. 20 — KENORA

A number of native timber culverts west of Kenora and west of Vermillion Bay were replaced with concrete culverts. Two other concrete culverts were built on Highway No. 70. Extensive patching was done on Highway No. 70 between Longbow Corners and Blindfold Lake.

On secondary roads a cut-off was constructed on the Richan Road, the Laclu Loop was raised above the high water mark in four places and the Anderson Branch Road similarly raised in two places. Culverts were repaired or replaced on most of the secondary roads.

DIVISION NO. 21 — FORT FRANCES

With the exception of the construction of a number of culverts on secondary roads, only general maintenance and sundry construction was carried out.

BRIDGES COMPLETED DURING THE YEAR 1943

Arthur Sedgwick, Chief Bridge Engineer

During the year some 1500 lineal feet of bridges was completed in the province. This work was principally timber construction on township roads in the northern part of the province.

Blanche River Bridge, Englehart-Charlton

Steel from the bridge removed from "Calamity Gulch" on Highway No. 11, north of New Liskeard, was used to build a 90-foot span and two 45-foot approach spans over the Blanche River replacing an old timber structure and straightening the "Charlton" road.

Hubbel's Bridge

This bridge is over Paudash Creek on Highway No. 28, twelve miles west of Bancroft. Creosoted piles and steel beams were used to make one 30-foot span and four 20-foot spans replacing a former timber structure on a new straight diversion. A feature of this bridge is the use of steel rails welded to old I-beams to make the 30-foot span.

Montreal River

A floating bridge of log mats 330 feet long was built over the Montreal River on the Matachewan-Ashley Mine Road.

A summary of the bridge construction carried out directly by the province is given in Appendix No. 4.

A small amount of small bridge and culvert construction was carried out by the counties and townships in "Old Ontario."

REPORT ON THE WORK OF THE MUNICIPAL ROADS BRANCH FOR THE YEAR 1943

J. A. P. Marshall, Chief Municipal Engineer

Since the passing of The Highway Improvement Act in 1901 and to the end of 1943 a total of $160,767,161.70 has been expended on construction and maintenance of county roads, of which the province has contributed $76,622,401.32. This includes the county expenditure during 1943 on which the provincial subsidy was paid in 1944.

At the end of 1943 the province was paying subsidies to the counties on 8,513 miles of county roads — approximately 15 per cent. of the total road mileage in the area covered by the County Road System.

Expenditure on county roads in 1943 was as follows:

	Total Expenditure	Provincial Subsidy
Construction:		
County Roads	$ 40,442.94	$ 20,221.46
Maintenance:		
County Roads	$ 3,911,302.53	$ 1,955,651.27
TOTAL EXPENDITURE	$ 3,951,745.47	$ 1,975,872.73

Construction Work

The work on which the above expenditure was made included the following:

Gravel or Stone	16.20	Miles
Low-Cost Bituminous Surfaces	3.50	"
Mixed Macadam and Asphaltic Concrete	.80	"
Cement Concrete	.12	"
TOTAL	20.62	"
Bridges Over 10-Foot Span	17	
Pipe and Tile Culverts	177	
Other Culverts	27	

Maintenance Work

Bituminous Surface Treatment	381.	Miles
Dust-Prevention Treatment (Oil)	1.	"
Dust-Prevention Treatment (Calcium)	1681.	"
Clay-Gravel Stabilization (Calcium and Salt)	322.	"
GRAVEL AND CRUSHED STONE RESURFACING:		
(a) Pitrun Gravel Applied	128,430	Cu. Yds.
(b) Crushed Gravel Applied	380,673	" "
(c) Crushed Stone Applied	83,027	" "
SNOW REMOVAL:		
(a) Mileage of Road Kept Open with Mechanical Equipment	7,397	Miles
(b) Snow Fence Erected	1,009	"

County Suburban Roads

The mileage of suburban roads is 834 miles. The expenditure at the end of 1943 amounted to $30,555,099.17, of which the cities and separated towns have contributed $7,988,680.70 or five per cent. of the total expenditure made on the County Road Systems.

In 1943 the expenditure on county suburban roads was $589,858.67, of which the province contributed $294,929.33 and the cities $147,464.66.

EXPENDITURES ON SUBURBAN ROADS — 1943

Name of County	Mileage	Approved Expenditure	Government Grant 50%
Brant	26.4	$ 34,176.71	$ 17,088.36
Carleton	90.0	83,978.83	41,989.42
Elgin	18.3	8,737.21	4,368.60
Essex	41.0	16,775.24	8,387.62
Frontenac	38.2	25,162.25	12,581.13
Grey	32.5	13,021.26	6,510.63
Hastings	5.0	2,868.48	1,434.24
Kent	9.5	1,979.23	989.61
Lambton	14.5	4,470.70	2,235.35
Lanark	6.0	8,803.33	4,401.67
Leeds and Grenville:			
Smith's Falls	5.1	1,035.10	517.55
Brockville	7.6	1,348.09	674.04
Lincoln	12.3	9,401.92	4,700.96
Middlesex	54.1	24,218.59	12,109.29
Ontario	16.2	4,514.29	2,257.15
Oxford	3.9	796.25	398.12
Perth	7.5	5,615.68	2,807.84
Peterborough	71.8	37,990.78	18,995.39
Waterloo:			
Galt	10.0	7,863.89	3,931.95
Kitchener	11.0	7,883.83	3,941.91
Welland:			
Niagara Falls	9.9	4,305.84	2,152.92
Welland	7.0	2,725.91	1,362.95
Wellington	23.5	7,856.69	3,928.35
Wentworth	56.0	59,599.97	29,799.98
York	257.1	214,728.60	107,364.30
TOTALS	834.4	589,858.67	294,929.33

Township Roads

For the year 1943 the government subsidized road expenditures in 564 townships, 2 provincial parks and 18 Indian reserves.

Expenditure on these roads in 1943 was as follows:

Construction:		
Roads	$ 43,146.07	
Bridges	159,960.49	
Miscellaneous	6,318.20	
Total Construction		$ 209,424.76
Maintenance:		
Roads	$ 5,052,346.80	
Bridges	155,260.38	
Miscellaneous	95,958.58	
Total Maintenance		$ 5,303,565.76
Total Approved Expenditure		5,512,990.52
Provincial Subsidy		2,929,508.15

Construction Work

The work on which the above expenditure was made included the following:

Gravel or Stone	31.35 Miles
Low-Cost Bituminous Surfaces	0.28 "
Mixed Macadam and Asphaltic Concrete	Nil "
Total	31.63 "
Bridges Over 10-Foot Span	32
Pipe and Tile Culverts	444
Other Culverts	264

Maintenance Work

Bituminous Surface Treatment	31 Miles
Dust-Prevention Treatment (Oil)	22 "
Dust-Prevention Treatment (Calcium)	625 "
Clay-Gravel Stabilization (Calcium and Salt)	26 "
GRAVEL AND CRUSHED STONE RESURFACING:	
(a) Pitrun Gravel Applied	782,034 Cu. Yds.
(b) Crushed Gravel Applied	846,495 " "
(c) Crushed Stone Applied	260,579 " "
SNOW REMOVAL:	
(a) Mileage of Road Kept Open with Mechanical Equipment	18,915 Miles
(b) Snow Fence Erected	835 "
Weed Spraying	653 "

Indian Reserves

Of the 20 Reserves eligible, 18 reported expenditures totalling $31,998.93 on which the subsidy paid was $16,503.53.

Indian Reserve	Expenditure
Alnwick	No Aid Taken
Cape Croker	$ 891.20
Caradoc	1,873.88
Christian Island	No Aid Taken
Gibson	1,195.95
Kettle Point	713.31
Moravian	304.87
Mud Lake	514.89
New Credit	1,996.58
Parry Island	517.75
Rama	148.35
Rice Lake	107.77
Sarnia	484.68
Saugeen	528.25
Shawanaga	388.00
Sheguiandah	199.20
Six Nations	17,944.30
Tyendinaga	2,679.75
Walpole Island	1,010.20
West Bay	500.00
Total	$ 31,998.93

APPENDICES

Nos. 1 to 9

APPENDIX No. 1

EXPENDITURES BY COUNTIES AND DISTRICTS

April 1, 1943, to March 31, 1944

County	Construction	Maintenance	Total
BRANT:—			
Highway No. 2	$ 22.92	$ 139,844.27	$ 139,867.19
" No. 5		8,651.42	8,651.42
" No. 24	403.20	18,952.16	19,355.36
" No. 24A		3,513.92	3,513.92
" No. 53	295.61	14,377.42	14,673.03
" No. 54		8,829.09	8,829.09
" No. 99		2,085.78	2,085.78
Blue Lake Road		983.80	983.80
Silver Street		235.85	235.85
Keg Lane	5.56		5.56
	$ 727.29	$ 197,473.71	$ 198,201.00
BRUCE:—			
Highway No. 4		$ 19,648.90	$ 19,648.90
" No. 6		66,677.93	66,677.93
" No. 9		17,008.40	17,008.40
" No. 21	125.55	19,242.19	19,367.74
" No. 86		5,207.14	5,207.14
	$ 125.55	$ 127,784.56	$ 127,910.11
CARLETON:—			
Highway No. 15	$ 11.53	$ 10,403.23	$ 10,414.76
" No. 16		13,115.83	13,115.83
" No. 17	3,415.67	23,679.52	27,095.19
" No. 29		1,669.78	1,669.78
" No. 31	4,054.25	26,985.55	31,039.80
" No. 44	1,967.01	12,226.70	14,193.71
	$ 9,448.46	$ 88,080.61	$ 97,529.07
DUFFERIN:—			
Highway No. 9		$ 13,735.98	$ 13,735.98
" No. 10	165.91	9,408.07	9,574.02
" No. 24		17,128.39	17,128.39
" No. 89		20,735.72	20,735.72
	$ 165.95	$ 61,008.16	$ 61,174.11
ELGIN:—			
Highway No. 3	$ 1,997.59	$ 79,035.84	$ 81,033.43
" No. 4	182.19	10,718.07	10,900.26
" No. 19	5.06	7,485.62	7,490.68
" No. 73		10,806.37	10,806.37
" No. 74	7.56	11,109.41	11,116.97
" No. 75		604.63	604.63
" No. 76		827.72	827.72
" No. 77		1,047.75	1,047.75
St. Thomas East Entrance		325.17	325.17
	$ 2,192.40	$ 121,960.58	$ 124,152.98
ESSEX:—			
Highway No. 2	$ 5.66	$ 7,490.03	$ 7,495.69
" No. 2B		242.61	242.61
" No. 3	57.57	13,970.85	14,028.42
" No. 3B		3,963.76	3,963.76
" No. 18		23,364.42	23,364.42
" No. 18A		28,590.46	28,590.46
" No. 18B		612.36	612.36
" No. 39	1,959.54	3,919.28	5,878.82
" No. 98	169.85	7,734.14	7,903.99
" No. 98A		281.43	281.43
Pelee Island		2,990.76	2,990.76
	$ 2,192.62	$ 93,160.10	$ 95,352.72

County	Construction	Maintenance	Total
FRONTENAC:—			
Highway No. 2	$ 922.13	$ 23,734.48	$ 24,656.61
" No. 7		47,903.89	47,903.89
" No. 15	1,201.67	28,607.22	29,808.89
" No. 33	593.40	2,702.67	3,296.07
" No. 38	3,079.26	46,402.08	49,481.34
" No. 41	20,735.88	4,377.06	25,112.94
" No. 95		3,869.20	3,869.20
" No. 96	63.60	7,619.25	7,682.85
Proposed Four Lane Highway North of Kingston	13,919.25		13,919.25
Howe Island Ferry	1,816.47		1,816.47
Secondary Roads—			
Clarenden Road		2,396.37	2,396.37
Clarenden to Ardoc		3,856.24	3,856.24
	$ 42,331.66	$ 171,468.46	$ 213,800.12
GREY:—			
Highway No. 4	$ 2.04	$ 17,045.28	$ 17,047.32
" No. 6	3.89	31,902.22	31,906.11
" No. 10	2,862.69	17,499.25	20,361.94
" No. 21		3,964.70	3,964.70
" No. 24		3,979.76	3,979.76
" No. 26	7.82	33,331.53	33,339.35
	$ 2,876.44	$ 107,722.74	$ 110,599.18
HALDIMAND:—			
Highway No. 3	$ 33,552.41	$ 15,870.63	$ 49,423.04
" No. 6		16,639.33	16,639.33
" No. 54	1.08	11,384.21	11,385.29
" No. 56		4,763.87	4,763.87
	$ 33,553.49	$ 48,658.04	$ 82,211.53
HALTON:—			
Highway No. 2	$ 680.86	$ 18,091.81	$ 18,772.67
" No. 5	8.31	41,808.13	41,816.44
" No. 7		14,984.77	14,984.77
" No. 25		16,063.49	16,063.49
Queen Elizabeth Way	2,482.77	72,902.86	75,385.63
	$ 3,171.94	$ 163,851.06	$ 167,023.00
HASTINGS:—			
Highway No. 2	$ 702.78	$ 29,560.98	$ 30,263.76
" No. 7		32,617.88	32,617.88
" No. 14	63.32	5,212.84	5,276.16
" No. 28	70,660.60	5,681.40	76,342.00
" No. 33		2,183.63	2,183.63
" No. 37	103.59	32,947.07	33,050.66
" No. 62	1,357.81	80,975.38	82,333.19
Secondary Roads—			
Bancroft-Herman		6,991.94	6,991.94
Birds Creek-Baptiste Lake		3,221.93	3,221.93
Maynooth-Nipissing Boundary		1,438.05	1,438.05
	$ 72,888.10	$ 200,831.10	$ 273,719.20

County	Construction	Maintenance	Total
HURON:—			
Highway No. 4	$ 2,390.62	$ 78,691.95	$ 81,082.57
" No. 8	568.77	70,208.99	70,777.76
" No. 9		495.14	495.14
" No. 21	1,549.90	48,927.71	50,477.61
" No. 23	101.12	4,505.94	4,607.06
" No. 81		3,472.37	3,472.37
" No. 83		19,223.77	19,223.77
" No. 84		12,262.46	12,262.46
" No. 86		22,174.40	22,174.40
" No. 87		10,404.19	10,404.19
	$ 4,610.41	$ 270,366.92	$ 274,977.33
KENT:—			
Highway No. 2		$ 13,030.61	$ 13,030.61
" No. 3		25,280.91	25,280.91
" No. 21		9,663.63	9,663.63
" No. 40		8,133.04	8,133.04
" No. 78		8,388.82	8,388.82
" No. 79		1,374.94	1,374.94
" No. 98		1,168.35	1,168.35
Middle Road		8,106.78	8,106.78
		$ 75,147.08	$ 75,147.08
LAMBTON:—			
Highway No. 7	$ 15.56	$ 26,597.30	$ 26,612.86
" No. 21	133.99	48,502.95	48,636.94
" No. 22		2,270.18	2,270.18
" No. 40	198,146.23	10,768.92	208,915.15
" No. 79	7.00	9,508.42	9,515.42
" No. 80		8,471.81	8,471.81
" No. 82		8,590.25	8,590.25
	$ 198,302.78	$ 114,709.83	$ 313,012.61
LANARK:—			
Highway No. 7		$ 19,651.41	$ 19,651.41
" No. 15	79.39	12,575.70	12,655.09
" No. 29	4.26	24,506.60	24,510.86
" No. 44		5,853.93	5,853.93
Secondary Roads—			
Darling Township Line North to Darling Township Line South		5,707.90	5,707.90
	$ 83.65	$ 68,295.54	$ 68,379.19
LEEDS AND GRENVILLE:—			
Highway No. 2		$ 39,177.83	$ 39,177.83
" No. 15		15,017.56	15,017.56
" No. 16	1,466.65	10,290.59	11,757.24
" No. 29	234.00	4,290.86	4,524.86
" No. 32		21,706.15	21,706.15
" No. 42		22,037.74	22,037.74
Chaffey Lock Road		885.50	885.50
River Road (Dual)	421.75	40,897.06	41,318.81
Secondary Roads—			
Escott Township Road		342.51	342.51
	$ 2,122.40	$ 154,645.80	$ 156,768.20

County	Construction	Maintenance	Total
LENNOX AND ADDINGTON:—			
Highway No. 2		$ 16,813.82	$ 16,813.82
" No. 7		26,209.91	26,209.91
" No. 33		20,666.66	20,666.66
" No. 41	896.58	61,873.03	62,769.61
	$ 896.58	$ 125,563.42	$ 126,460.00
LINCOLN:—			
Highway No. 8		$ 24,009.59	$ 24,009.59
" No. 8A		2,564.83	2,564.83
" No. 20		19,895.32	19,895.32
" No. 57		2,220.56	2,220.56
" No. 58		2,926.07	2,926.07
Queen Elizabeth Way	21,492.33	89,270.92	110,763.25
	$ 21,492.33	$ 140,887.29	$ 162,379.62
MIDDLESEX:—			
Highway No. 2	$ 498.99	$ 132,130.64	$ 132,629.63
" No. 4	1,016.64	22,792.55	23,812.19
" No. 7	86.89	19,223.15	19,310.04
" No. 22	5.60	143,773.65	143,779.25
" No. 23	49.03	7,822.57	7,871.60
" No. 73		6,928.23	6,928.23
" No. 74		2,476.22	2,476.22
" No. 80		2,308.35	2,308.35
" No. 81		28,173.38	28,173.38
	$ 1,660.15	$ 365,628.74	$ 367,288.89
NORFOLK:—			
Highway No. 3	$ 110.40	$ 18,346.05	$ 18,456.45
" No. 6		13,202.45	13,202.45
" No. 19		1,178.15	1,178.15
" No. 24	15.00	47,311.35	47,326.35
" No. 59		737.64	737.64
	$ 125.40	$ 80,775.64	$ 80,901.04
NORTHUMBERLAND AND DURHAM:—			
Highway No. 2	$ 18.08	$ 59,832.58	$ 59,850.66
" No. 7A		42,291.32	42,291.32
" No. 28		23,281.93	23,281.93
" No. 30	65.14	16,077.48	16,142.62
" No. 33		703.25	703.25
" No. 35	18.11	39,239.58	39,257.69
" No. 45	19.59	27,921.35	27,940.94
Four Lane Highway, Oshawa East	42,049.96		42,049.96
	$ 42,170.88	$ 209,347.49	$ 251,518.37

County	Construction	Maintenance	Total
ONTARIO:—			
Highway No. 2		$ 31,163.50	$ 31,163.50
" No. 7		13,342.58	13,342.58
" No. 7A		3,351.40	3,351.40
" No. 12	28.58	47,093.58	47,132.16
" No. 47		9,916.20	9,916.20
" No. 48		2,491.60	2,491.60
" No. 69		3,229.60	3,229.60
Four Lane Highway, Toronto East	91,195.75	76,127.48	167,323.23
	91,234.33	$ 186,715.94	$ 277,950.27
OXFORD:—			
Highway No. 2	$ 83.27	$ 188,529.12	$ 188,612.39
" No. 3		1,552.34	1,552.34
" No. 19		13,853.55	13,853.55
" No. 53		2,854.74	2,854.74
" No. 59		13,973.54	13,973.54
" No. 97		7,116.36	7,116.36
" No. 100		7,919.90	7,919.90
Governor's Road		9,246.78	9,246.78
Princeton North Road	5.50	234.92	240.42
	$ 88.77	$ 245,281.25	$ 245,370.02
PEEL:—			
Highway No. 2	$ 173.98	$ 37,065.74	$ 37,239.72
" No. 5	3,033.87	16,662.82	19,696.69
" No. 7		16,770.29	16,770.29
" No. 9		12,781.25	12,781.25
" No. 10	1,981.56	40,966.68	42,948.24
" No. 24		6,348.45	6,348.45
" No. 50		18,915.01	18,915.01
" No. 51		1,468.53	1,468.53
Queen Elizabeth Way	(Cr.) 37.78	28,780.68	28,742.90
	$ 5,151.63	$ 179,759.45	$ 184,911.08
PERTH:—			
Highway No. 7	$ 2,141.72	$ 24,614.75	$ 26,756.47
" No. 8	5.72	85,834.88	85,840.60
" No. 19	110.54	19,248.53	19,359.07
" No. 23	1,962.59	38,840.65	40,803.24
" No. 83		2,383.64	2,383.64
" No. 86	52.62	14,638.95	14,691.57
" No. 100		688.65	688.65
	$ 4,273.19	$ 186,250.05	$ 190,523.24
PETERBOROUGH:—			
Highway No. 7	$ 362.24	$ 35,588.36	$ 35,950.60
" No. 7A		567.40	567.40
" No. 28	74,844.00	54,717.73	129,561.73
" No. 30		3,142.91	3,142.91
" No. 36		24,219.50	24,219.50
" No. 45		3,530.00	3,530.00
Secondary Roads—			
Apsley-Chandos Apsley-Loon Lake Catchacoma Road	5,681.93	25,934.20	31,616.13
Connecting Link, Village of Lakefield		59.15	59.15
	$ 80,888.17	$ 147,759.25	$ 228,647.42

County	Construction	Maintenance	Total
PRESCOTT AND RUSSELL:—			
Highway No. 17	$ 6.95	$ 34,494.02	$ 34,500.97
" No. 34	3,153.84	13,567.27	16,721.11
	$ 3,160.79	$ 48,061.29	$ 51,222.08
PRINCE EDWARD:—			
Highway No. 14	$ 2.56	$ 15,165.55	$ 15,168.11
" No. 33		10,469.68	10,469.68
" No. 41		7,547.12	7,547.12
Connecting Link, Town of Picton		361.60	361.60
	$ 2.56	$ 33,543.95	$ 33,546.51
RENFREW:—			
Highway No. 17	$ 4,288.44	$ 110,462.18	$ 114,750.62
" No. 29		249.82	249.82
" No. 41	10,086.53	27,087.04	37,173.57
" No. 60	6,183.55	30,404.04	36,587.59
" No. 62	15,232.89	16,243.61	31,476.50
Secondary Roads—			
Junction of 17—Eganville and Burnstown; Calabogie-Lanark County Line		13,989.75	13,989.75
Combermere-Burgess Mine		1,164.31	1,164.31
Combermere-Quadville		2,331.75	2,331.75
Killaloe-Quad Lake		2,409.73	2,409.73
Killaloe-Brudenell		2,366.06	2,366.06
Eganville-Cormac		14,584.28	14,584.28
Dacre-Hyndford		1,040.44	1,040.44
Griffith-Black Donald Mine		573.14	573.14
Dacre-Shamrock	491.10	1,148.50	1,639.60
Eganville-Kelly's Corners		8,840.45	8,840.45
Bank Lake Dam Road	161.62		161.62
Mining Road, Calabogie-Black Donald Mine		3,295.64	3,295.64
	$ 36,444.13	$ 236,190.74	$ 272,634.87
SIMCOE:—			
Highway No. 9		$ 11,175.22	$ 11,175.22
" No. 11	1,828.25	57,241.98	59,070.23
" No. 12	5.55	31,227.49	31,233.04
" No. 24	1.00	11,886.05	11,887.05
" No. 26	5,031.64	30,538.87	35,570.51
" No. 27	8.68	64,277.89	64,286.57
" No. 88		9,157.69	9,157.69
" No. 89	98.63	37,617.63	37,716.26
" No. 90		27,251.32	27,251.32
" No. 91		2,990.55	2,990.55
" No. 92		2,214.39	2,214.39
" No. 93	405.86	24,302.00	24,707.86
Secondary Roads—			
Port Severn South		1,356.80	1,356.80
	$ 7,379.61	$ 311,237.88	$ 318,617.49

County	Construction	Maintenance	Total
STORMONT, DUNDAS AND GLENGARRY:—			
Highway No. 2		$ 33,958.44	$ 33,958.44
" No. 31	5.12	13,389.82	13,394.94
" No. 34	3,720.06	16,932.03	20,652.09
" No. 43		41,455.28	41,455.28
	$ 3,725.18	$ 105,735.57	$ 109,460.75
VICTORIA:—			
Highway No. 7	$ 496.87	$ 18,338.87	$ 18,835.74
" No. 35		46,730.16	46,730.16
" No. 36	27.63	6,474.42	6,502.05
" No. 46	150.64	14,900.40	15,051.04
Secondary Roads—			
Highway No. 46-Seabright and Uphill		11,489.60	11,489.60
Norland-Kinmount, Bobcaygeon-Kinmount, Burnt River Road	869.75	26,579.18	27,448.93
Connecting Link, Town of Lindsay		1,282.58	1,282.58
	$ 1,544.89	$ 125,795.21	$ 127,340.10
WATERLOO:—			
Highway No. 7		$ 18,720.62	$ 18,720.62
" No. 8	252.34	22,219.94	22,472.28
" No. 24		4,905.08	4,905.08
" No. 24A		3,120.72	3,120.72
" No. 85		5,936.28	5,936.28
" No. 86		12,511.02	12,511.02
" No. 97	152.56	2,663.06	2,815.62
	$ 404.90	$ 70,076.72	$ 70,481.62
WELLAND:—			
Highway No. 3		$ 13,158.47	$ 13,158.47
" No. 3A		5,205.83	5,205.83
" No. 3C		1,805.33	1,805.33
" No. 8B		364.45	364.45
" No. 20	455.64	3,536.74	3,992.38
" No. 20A	.83	4,212.04	4,212.87
" No. 57	4,721.85	8,202.93	12,924.78
" No. 58		11,524.19	11,524.19
Queen Elizabeth Way	44,229.07	76,143.57	120,372.64
Rainbow Bridge Approach	258,078.60	9,084.98	267,163.58
	$ 307,485.99	$ 133,238.53	$ 440,724.52
WELLINGTON:—			
Highway No. 6	$ 2.06	$ 38,085.51	$ 38,087.57
" No. 7		17,968.25	17,968.25
" No. 9		13,864.63	13,864.63
" No. 23		1,748.68	1,748.68
" No. 24		35,999.28	35,999.28
" No. 86		11,937.43	11,937.43
" No. 87		3,468.05	3,468.05
	$ 2.06	$ 123,071.83	$ 123,073.89

County	Construction	Maintenance	Total
WENTWORTH:—			
Highway No. 2	$ 133,602.60	$ 38,425.44	$ 172,028.04
" No. 5		29,002.36	29,002.36
" No. 6	5,084.74	51,859.63	56,944.37
" No. 6D		3,558.95	3,558.95
" No. 8	14.70	55,871.98	55,886.68
" No. 9	24,373.55	414.25	24,787.80
" No. 20		10,450.28	10,450.28
" No. 20A		3,113.66	3,113.66
" No. 52	997.69	9,264.76	10,262.45
" No. 53	425.00	7,919.50	8,344.50
" No. 55		1,986.77	1,986.77
" No. 56		2,974.31	2,974.31
" No. 97		8,943.16	8,943.16
" No. 99		11,171.14	11,171.14
Queen Elizabeth Way	5,763.80	33,801.11	39,564.91
Burlington Beach Cut-off	397.05	6,823.00	7,220.05
Connecting Link, Town of Burlington		851.72	851.72
	$ 170,659.13	$ 276,432.02	$ 447,091.15
YORK:—			
Highway No. 2	$ 479.12	$ 83,450.68	$ 83,929.80
" No. 5	2,500.00	21,308.90	23.808,90
" No. 5A		16,679.56	16,679.56
" No. 7	10.84	22,276.63	22,287.47
" No. 9		3,641.99	3,641.99
" No. 11	18,205.25	54,476.58	122,681.83
" No. 27	68.93	93,789.78	93,858.71
" No. 49		1,063.77	1,063.77
Queen Elizabeth Way	3,419.96	66,020.83	69,440.79
Four Lane Highway, Toronto East	(Cr.) 8,861.98	6,550.56	(Cr.) 2,311.42
Queen Street, Lake Shore Road-Brown's Line		12,437.34	12,437.34
Malton Road	(Cr.) 70,333.61		(Cr.) 70,333.61
Connecting Links—			
Town of Mimico		835.54	835.54
Town of New Toronto		388.19	388.19
	$ (Cr.) 4,511.49	$ 382,920.35	$ 378,408.86

District	Construction	Maintenance	Total
DISTRICT OF HALIBURTON:—			
Highway No. 28	$ 97,722.80	$ 5,685.00	$ 103,407.80
" No. 35	2,320.10	42,087.97	44,408.07
" No. 60		3,464.86	3,464.86
Secondary Roads—			
Minden-Haliburton-Kinmount-Hasting Boundary	5.00	28,474.38	28,479.38
Haliburton-Redstone		25,598.48	25,598.48
Minden-Kinmount		1,834.16	1,834.16
Kinmount-Hastings County Boundary		41,007.75	41,007.75
Donald-Gould Road		4,536.99	4,536.99
Township Roads	10,821.11		10,821.11
	$ 110,869.01	$ 152,689.59	$ 263,558.60
DISTRICT OF MUSKOKA:—			
Highway No. 11	$ 2,599.44	$ 54,396.29	$ 56,995.73
" No. 35		4,040.01	4,040.01
" No. 60		18,423.80	18,423.80
" No. 69	4.67	50,537.95	50,542.62
Secondary Roads—			
Sanitarium Road		87.19	87.19
Bracebridge-Dorset	104.12	28,918.95	29,023.07
Bracebridge-Glen Orchard		29,914.60	29,914.60
Huntsville-Baysville		6,374.02	6,374.02
Falkenburg-Rosseau Road	9.80	10,860.68	10,870.48
Port Sydney-Windermere		6,262.51	6,262.51
Port Severn-Honey Harbor-Baster Lake		5,688.65	5,688.65
Junction No. 60-Interlaken		14,008.34	14,008.34
Township Roads		2,497.85	2,497.85
	$ 2,718.03	$ 232,010.84	$ 234,728.87
DISTRICT OF PARRY SOUND:—			
Highway No. 11	$ 1,129.33	$ 57,022.20	$ 58,151.53
" No. 69	10,439.42	79,794.78	90,234.20
Secondary Roads—			
Rosseau-Hayes Corner		13,486.57	13,486.57
Emsdale-Orrville-Highway No. 60	.30	15,279.30	15,279.60
Burks Falls-Parry Sound		45,374.56	45,374.56
Dunchurch-Ardbeg Road		2,674.47	2,674.47
Sundridge-Magnetawan-Spur	887.50	17,170.36	18,057.86
Powassan Westerly		11,371.93	11,371.93
Trout Creek-Loring-Restoule		20,435.62	20,435.62
Township Roads	10.00	22,662.29	22,672.29
	$ 12,466.55	$ 285,272.08	$ 297,738.63

District	Construction	Maintenance	Total
DISTRICT OF NIPISSING:—			
Highway No. 11	$ 701.49	$ 51,395.25	$ 52,096.74
" No. 17	7,529.17	150,162.47	157,691.64
" No. 60	3,532.59	33,078.36	36,610.95
" No. 63	518.51	23,346.07	23,864.58
" No. 64	100.30	13,209.37	13,309.67
" No. 94		3,725.56	3,725.56
Secondary Roads—			
Mattawa-Harrington Creek		964.73	964.73
Highway No. 60-Airport		4,103.26	4,103.26
Verner-Lavigne-Muskrat		5,372.64	5,372.64
Field-River Valley-Afton Mine	5,000.00	4,710.97	9,710.97
Warren-River Valley		2,242.10	2,242.10
Hagar-Rutter-Bigwood-Wolseley Bay		66,532.19	66,532.19
Junction Highway No. 60-Opeongo Station	4,793.00		4,793.00
Township Roads	1,861.97	40,800.83	42,662.80
	$ 24,037.03	$ 399,643.80	$ 423,680.83
DISTRICT OF TEMISKAMING:—			
Highway No. 11	$ 612.93	$ 57,560.78	$ 58,173.71
" No. 65		30,650.75	30,650.75
Secondary Roads—			
Lorrain Road		4,611.28	4,611.28
Haileybury West Road		4,911.16	4,911.16
North Temiskaming Road		32,262.80	32,262.80
North Road		3,853.72	3,853.72
McCool-Thornloe-Earlton Road		1,213.58	1,213.58
Charlton Road	24,916.03	38,500.84	63,416.87
Boston Creek and Spurs		368.45	368.45
Charlton-Elk Lake Road		16,285.42	16,285.42
Gowganda Road and Spurs		11,111.38	11,111.38
Old Highway No. 11		299.82	299.82
Township Roads	1,077.98	23,751.05	24,829.03
Mining Roads		11,120.78	11,120.78
	$ 26,606.94	$ 236,501.81	$ 263,108.75
DISTRICT OF SOUTH COCHRANE:—			
Highway No. 11	$ 471.17	$ 36,341.15	$ 36,812.32
" No. 66		28,556.98	28,556.98
" No. 67	(Cr.) 47,094.39	19,832.40	(Cr.) 27,261.99
" No. 67A	54.10	18,051.21	18,105.31
Secondary Roads—			
Munro Road		990.55	990.55
Bayside Beach Road		1,359.75	1,359.75
Shillington-Iroquois Road		6,201.94	6,201.94
Timmins Back Road		7,976.96	7,976.96
Sandy Falls-West Road		5,489.38	5,489.38
Holtyre Road	27.40	1,722.63	1,750.03
Coulson Road		376.58	376.58
Township Roads		22,429.22	22,429.22
Mining Roads	13,639.81	818.34	14,458.15
	$(Cr.)32,901.91	$ 150,147.09	$ 117,245.18

District	Construction	Maintenance	Total
District of North Cochrane:—			
Highway No. 11	$ 663,630.73	$ 238,563.81	$ 902,194.54
" No. 67		12,337.58	12,337.58
Secondary Roads—			
Monteith-Iroquois Falls	490.30	553.58	1,043.88
Nellie Lake-Iroquois Falls		3,505.06	3,505.06
Cochrane-Norembega		7,119.86	7,119.86
Cochrane-Gardiner		2,850.12	2,850.12
Remi Lake-Moonbeam		156.95	156.95
Hearst-Lake Ste. Therese		4,516.05	4,516.05
Hearst-Coppell Road		4,630.12	4,630.12
Township Roads	220.68	124,720.98	124,941.66
	$ 664,341.71	$ 398,954.11	$ 1,063,295.82
District of Sudbury:—			
Highway No. 17	$ 113.74	$ 65,629.07	$ 65,742.81
" No. 69		10,663.55	10,663.55
Secondary Roads—			
Kelly Lake-Long Lake		1,840.98	1,840.98
Highway No. 69-Long Lake		2,161.56	2,161.56
Benny Lake Geneva		1,277.71	1,277.71
Sudbury-Levack-Benny	5,295.14	85,404.52	90,699.66
Sudbury-Capreol-Milnet	9,453.83	44,923.23	54,377.06
Sudbury-Falconbridge	187.31	13,760.48	13,947.79
Garson-Skead		25,368.03	25,368.03
Sudbury-Frood		294.42	294.42
Copper Cliff-Creighton		4,964.80	4,964.80
Whitefish-Penage Lake		4,550.61	4,550.61
Highway No. 17-Creighton Road		2,329.21	2,329.21
Chapleau-Sudbury Boundary		258.82	258.82
Foleyet-Ivanhoe Lake		60.00	60.00
Hagar North		2,856.96	2,856.96
Chelmsford-Blezard Valley-Capreol Road		7,112.01	7,112.01
Capreol-Falconbridge		42.10	42.10
Westree-Houston Lake (Sudbury Boundary)		7,563.80	7,563.80
Wahnapitae-Wanup		1,560.08	1,560.08
Markstay South		1,032.17	1,032.17
Township Roads	1,732.50	25,122.92	26,855.42
	$ 16,782.52	$ 308,777.03	$ 325,559.55

District	Construction	Maintenance	Total
DISTRICT OF ALGOMA-MANITOULIN:—			
Highway No. 17	$ 969.72	$ 171,766.20	$ 172,735.92
" No. 68		37,891.10	37,891.10
Secondary Roads—			
Little Current-South Bay Mouth	2,087.71	14,206.88	16,294.59
Little Current-Gore Bay-Meldrum Bay	16,937.20	13,473.33	30,410.53
Gore Bay-Providence Bay-Mindemoya		1,037.80	1,037.80
West Bay-Mindemoya-Tehkummah		1,915.40	1,915.40
Providence Bay-Tehkummah		637.10	637.10
Highway No. 68-Lake Penage		152.50	152.50
Massey-Ritchie Falls		4,564.75	4,564.75
Massey-Georgian Bay		336.00	336.00
Blind River-Lake Duborne		114.00	114.00
Blind River-Lake Matinenda		1,352.64	1,352.64
Iron Bridge-Aubrey Falls		24,272.64	24,272.64
White River Road		11,160.76	11,160.76
Thessalon-Wharncliffe		31,619.48	31,619.48
Bruce Mines-Dunn's Valley		7,573.43	7,573.43
Dunn's Valley Road (Sylvan Valley)		3,000.00	3,000.00
St. Joseph Island-Belt Line		15,086.80	15,086.80
Township Roads		24,662.43	24,662.43
	$ 19,994.63	$ 364,823.24	$ 384,817.87
DISTRICT OF SAULT STE. MARIE:—			
Highway No. 17	$ 14,075.64	$ 50,089.92	$ 64,165.56
Secondary Roads—			
Sault Ste. Marie-Gros Cap-Lake Superior		7,014.57	7,014.57
Point Aux Pins-Point Aux Chene		408.90	408.90
Searchmont-Wabos		8,822.91	8,822.91
Bellevue Road		712.92	712.92
Goulais River-White Birches		2,520.58	2,520.58
Hornpayne Road		447.14	447.14
Michipicoten Area Roads		6,118.97	6,118.97
Hawk Junction Road		162.41	162.41
Township Roads		770.35	770.35
	$ 14,075.64	$ 77,068.67	$ 91,144.31
DISTRICT OF FORT WILLIAM:—			
Highway No. 17	$ 1,838.02	$ 81,476.04	$ 83,314.06
" No. 61		22,778.18	22,778.18
Secondary Roads—			
Silver Mountain Road		19,217.47	19,217.47
Kakabeka-Nolalu		4,792.99	4,792.99
Hymers-Scoble		8,055.89	8,055.89
Pearson-Pardee		55,755.96	55,755.96
Kashabowie Road		2,707.26	2,707.26
Devon Road		3,943.63	3,943.63
Township Roads		59,807.32	59,807.32
	$ 1,838.02	$ 258,534.74	$ 260,372.76

District	Construction	Maintenance	Total
DISTRICT OF PORT ARTHUR:—			
Highway No. 11	$ 145,826.93	$ 32,535.19	$ 178,362.12
" No. 17		92,925.30	92,925.30
" No. 17A		12,513.35	12,513.35
Secondary Roads—			
Oliver Road		17,491.95	17,491.95
Dog Lake Road		6,728.43	6,728.43
Silver Island Road		9,012.83	9,012.83
Township Roads		45,270.14	45,270.14
	$ 145,826.93	$ 216,477.19	$ 362,304.12
DISTRICT OF KENORA:—			
Highway No. 17	$ 45,922.84	$ 139,232.08	$ 185,154.92
" No. 70		56,332.43	56,332.43
" No. 72	56.86	55,553.88	55,610.74
Secondary Roads—			
Dyment Road		39.47	39.47
Rice Lake Loop Road		2,797.51	2,797.51
Richan Road		12,256.52	12,256.52
Eton-Rugby Road		3,215.28	3,215.28
South Aubrey Road		3,878.39	3,878.39
Quibell Road	5,018.96	8,961.53	13,980.49
East Melick Road		5,715.31	5,715.31
Rabbit Lake Road		490.04	490.04
Redditt Road		17,346.79	17,346.79
Laclu Loop Road		26,290.33	26,290.33
Township Roads		67,799.63	67,799.63
	$ 50,998.66	$ 399,909.19	$ 450,907.85
DISTRICT OF RAINY RIVER:—			
Highway No. 70	$ 125.40	$ 32,148.93	$ 32,274.33
" No. 70A		25,944.11	25,944.11
" No. 71	6,140.37	23,904.56	30,044.93
Secondary Roads—			
Crozier Road		1,827.00	1,827.00
Delvin Road	17,634.79	6,315.68	23,950.47
Clearwater Lake Road		1,797.50	1,797.50
Stratton Road		6,417.06	6,417.06
Arbor Vitae Road		9,953.55	9,953.55
Sleeman Road		10,129.37	10,129.37
Spohn-Dearlock Road		9,613.12	9,613.12
River Road		13,952.81	13,952.81
Township Roads		6,646.30	6,646.30
	$ 23,900.56	$ 148,649.99	$ 172,550.55
Stock	4,506.68	372,507.30	377,013.98
Lands and Buildings	31,124.24	69,194.38	100,318.62
Weigh Scales		3,894.58	3,894.58
Road Surveys	187,036.07		187,036.07
Division Office Expense, General Expense, etc.		689,724.26	689,724.26
	$2,453,293.63	$10,544,216.79	$12,997,510.42

APPENDIX No. 2
GROSS EXPENDITURE BY ROADS
April 1st, 1943, to March 31st, 1944

Highway No.	Location	Mileage	Construction	Maintenance	Total
2	Windsor-Quebec Boundary	541.1	$ 137,190.39	$ 892,299.97	$ 1,029,490.36
2B	Highway No. 2 (Howard Avenue to Highway No. 3, Dougall Avenue)	5.89		242.61	242.61
3	Windsor-Fort Erie	260.	35,717.97	167,215.09	202,933.06
3A	Chambers Corners-St. Catharines	19.8		5,205.83	5,205.83
3B	Junction Highway No. 3-Windsor	6.		3,963.76	3,963.76
3C	Ridgeway-Fort Erie	7.5		1,805.33	1,805.33
4	Port Stanley-Flesherton	155.5	3,594.49	148,896.75	152,491.24
5	Toronto-Paris	64.1	5,542.18	117,433.63	122,975.81
5A	Leaside-Kingston Road	8.4		16,679.56	16,679.56
6	Port Dover-Tobermoray	225.1	5,090.69	218,367.07	223,457.76
6D	Dundas-Junction No. 2 Highway	2.18		3,558.95	3,558.95
7	Sarnia-Ottawa	465.	3,114.12	354,808.66	357,922.78
7A	Manchester-Peterborough	42.		46,210.12	46,210.12
8	Niagara Falls-Goderich	155.7	841.53	258,145.38	258,986.91
8A	St. David-Niagara Falls	2.96		2,564.83	2,564.83
8B	Lincoln County Line-Niagara Falls	2.95		364.45	364.45
9	Schomberg-Kincardine	112.8	24,373.55	73,116.86	97,490.41
10	Port Credit-Owen Sound	105.	5,010.20	67,874.00	72,884.20
11	Toronto-Hearst-Geraldton-Nipigon	903.85	885,005.52	639,533.23	1,524,538.75
12	Whitby-Midland	97.7	44.13	78,321.07	78,365.20
14	Picton-Marmora	51.4	65.88	20,378.39	20,444.27
15	Ottawa-Kingston	131.	1,292.59	66,603.71	67,896.30
16	Ottawa-Prescott	62.3	1,466.65	23,406.42	24,873.07
17	Quebec Bdry.-Montreal River and Schreiber-Manitoba Boundary	1133.7	78,160.19	919,916.80	998,076.99
17A	Port Arthur-Highway No. 17	21.		12,513.35	12,513.35
18	Leamington-Windsor	49.		23,364.42	23,364.42
18A	Kingsville-Highway No. 18	18.		28,590.46	28,590.46
18B	Ruthven-Highway No. 18	1.		612.36	612.36
19	Port Burwell-Tralee	92.2	115.60	41,765.85	41,881.45
20	Niagara Falls-Burlington	53.3	455.64	33,882.34	34,337.98
20A	Nighway No. 20-Hamilton	1.36	.83	7,325.70	7,326.53
21	Morpeth-Owen Sound	207.	1,809.44	130,301.18	132,110.62
22	London-Sarnia	66.8	5.60	146,043.83	146,049.43
23	London-Arthur	86.3	2,112.74	52,917.84	55,030.58
24	Port Dover-Collingwood	143.4	419.20	146,510.52	146,929.72
24A	Paris-Galt	13.1		6,634.64	6,634.64
25	Burlington-Acton	29.8		16,063.49	16,063.49
26	Barrie-Owen Sound	74.6	5,039.46	63,870.40	68,909.86
27	Long Branch-Midland-Penetang	91.8	77.61	158,067.67	158,145.28
28	Port Hope-Apsley	67.9	243,227.40	89,366.06	332,593.46
29	Brockville-Arnprior	76.4	238.26	30,717.06	30,955.32
30	Brighton-Havelock	32.	65.14	19,220.39	19,285.53
31	Morrisburg-Ottawa	48.4	4,059.37	40,375.37	44,434.74
32	Gananoque-Smith's Falls	47.9		21,706.15	21,706.15
33	Marmora-Trenton-Kingston	101.3	593.40	36,725.89	37,319.29
34	Lancaster-Hawkesbury	38.1	6,873.90	30,499.30	37,373.20
35	Newcastle-Huntsville	144.2	2,338.21	132,097.72	134,435.93
36	Lindsay-Burleigh Falls	47.5	27.63	30,693.92	30,721.55
37	Belleville-Actinolite	29.3	103.59	32,947.07	33,050.66
38	Kingston-Sharbot Lake	47.1	3,079.26	46,402.08	49,481.34

APPENDIX No. 2

GROSS EXPENDITURE BY ROADS

April 1st, 1943, to March 31st, 1944

Highway No.	Location	Mileage	Construction	Maintenance	Total
39	Windsor-Belle River	21.5	1,959.54	3,919.28	5,878.82
40	Sarnia-Chatham	50.1	198,146.23	18,901.96	217,048.19
41	Picton-Golden Lake	140.6	31,718.99	100,884.25	132,603.24
42	Brockville-Westport	43.		22,037.74	22,037.74
43	Alexandria-Winchester	40.4		41,455.28	41,455.28
44	Almonte-Carp	14.	1,967.01	18,080.63	20,047.64
45	Cobourg-Norwood	33.	19.59	31,451.35	31,470.94
46	Highway No. 7-Coboconk	34.	150.64	14,900.40	15,051.04
47	Highway No. 12-Stouffville	19.		9,916.20	9,916.20
48	Port Bolster-Beaverton	6.		2,491.60	2,491.60
49	Kleinburg-Highway No. 50	3.5		1,063.77	1,063.77
50	Highway No. 7-Highway No. 9 via Bolton	18.		18,915.01	18,915.01
51	Highway No. 24-Highway No. 10-Caledon	2.5		1,468.53	1,468.53
52	Wentworth County Line-Highway No. 2	18.5	997.69	9,264.76	10,262.45
53	Woodstock-Highway No. 20	53.7	720.61	25,151.66	25,872.27
54	Cainsville-Cayuga	27.	1.08	20,213.30	20,214.38
55	Highway No. 53-Hamilton	4.		1,986.77	1,986.77
56	Junction Highway No. 53 and No. 20-Canfield	15.5		7,738.18	7,738.18
57	Bismark-Highway No. 3A	9.	4,721.85	10,423.49	15,145.34
58	Welland-Humberstone	6.5		14,450.26	14,450.26
59	Woodstock-Delhi	26.5		14,711.18	14,711.18
60	Huntsville-Lake Dore	133.7	9,716.14	85,371.06	95,087.20
61	Fort William-United States Boundary	40.		22,778.18	22,778.18
62	Madoc-Pembroke	135.	16,590.70	97,218.99	113,809.69
63	North Bay-Temiskaming	41.	518.51	23,346.07	23,864.58
64	Sturgeon Falls-Martin River	34.6	100.30	13,209.37	13,309.67
65	New Liskeard-Matachewan	66.7		30,650.75	30,650.75
66	Swastika-Quebec Boundary	33.7		28,556.98	28,556.98
67	Iroquois Falls-Timmins	43.6	Cr. 47,094.39	32,169.98	Cr. 14,924.41
67A	Matheson-Highway No. 67	31.	54.10	18,051.21	18,105.31
68	McKerrow-Little Current	38.		37,891.10	37,891.10
69	Atherley-Britt	112.	10,444.09	144,225.88	154,669.97
70	Kenora-Fort Frances	143.	125.40	88,481.36	88,606.76
70A	Berwick-Junction Highway No. 70	14.		25,944.11	25,944.11
71	Fort Frances-Rainy River	60.	6,140.37	23,904.56	30,044.93
72	Dinorwic-Sioux Lookout-Hudson	52.5	56.86	55,553.88	55,610.74
73	Port Bruce-Dorchester Road	23.		17,734.60	17,734.60
74	New Sarum-Nilestown	14.	7.56	13,585.63	13,593.19
75	Wallacetown-Dutton	2.5		604.63	604.63
76	Eagle-West Lorne	3.5		827.72	827.72
77	New Glasgow-Rodney	4.		1,047.75	1,047.75
78	Wallaceburg-Dresden	10.5		8,388.82	8,388.82
79	Highway No. 2-Watford	25.5	7.00	10,883.36	10,890.36
80	Highway No. 2-Alvinston	13.		10,780.16	10,780.16
81	Delaware-Grand Bend	44.		31,645.75	31,645.75
82	Highway No. 7-Port Franks	7.		8,590.25	8,590.25
83	Highway No. 21-Highway No. 23 via Dashwood	24.		21,607.41	21,607.41
84	St. Joseph-Hensall	10.5		12,262.46	12,262.46
85	Kitchener-Elmira	12.		5,936.28	5,936.28
86	Amberley-Highway No. 7	79.	52.62	66,468.94	66,521.56
87	Bluevale-Harriston	19.5		13,872.24	13,872.24
88	Bondhead-Bradford	6.		9,157.69	9,157.69

APPENDIX No. 2

GROSS EXPENDITURE BY ROADS

April 1st, 1943 to March 31st, 1944

Highway No.	Location	Mileage	Construction	Maintenance	Total
89	Primrose-Cookstown	23.5	98.63	58,353.35	58,451.98
90	Angus-Allandale	11.		27,251.32	27,251.32
91	Duntroon-Stayner	5.2		2,990.55	2,990.55
92	Elmvale-Wasaga Beach	9.		2,214.39	2,214.39
93	Crown Hill-Waverley	17.5	405.86	24,302.00	24,707.86
94	Callander-Highway No. 17	6.5		3,725.56	3,725.56
95	Wolfe Island North and South	7.		3,869.20	3,869.20
96	Wolfe Island East and West	20.	63.60	7,619.25	7,682.85
97	Hickson-Freelton	44.5	152.56	18,722.58	18,875.14
98	Windsor-Tilbury	34.5	169.85	8,902.49	9,072.34
98A	Six Corners-Highway No. 98-Maidstone Highway No. 3	1.1		281.43	281.43
99	Dundas to Junction Highways Nos. 58 and 24	16.5		13,256.92	13,256.92
100	Thamesford-Highway No. 7	15.		8,608.55	8,608.55
	Queen Elizabeth Way		77,350.15	366,919.97	444,270.12
	Blue Lake Road			983.80	983.80
	Silver Street			235.85	235.85
	Keg Lane		5.56		5.56
	St. Thomas East Entrance			325.17	325.17
	Pelee Island			2,990.76	2,990.76
	Proposed Four-lane Highway North of Kingston		13,919.25		13,919.25
	Howe Island Ferry Road		1,816.47		1,816.47
	Middle Road Tilbury to Blenheim			8,106.78	8,106.78
	Chaffey's Locks Road			885.50	885.50
	St. Lawrence River Road		421.75	40,897.06	41,318.81
	Thamesford Road			9,246.78	9,246.78
	Princeton North Road		5.50	234.92	240.42
	Bark Lake Dam Road		161.62		161.62
	Rainbow Bridge Approach		258,078.60	9,084.98	267,163.58
	Burlington Beach Cut-off		397.05	6,823.00	7,220.05
	Queen Street from Lake Shore Road to Brown's Line			12,437.34	12,437.34
	Malton Road		Cr. 70,333.61		Cr. 70,333.61
	Four Lane Highway Toronto-Oshawa and East		124,383.73	82,678.04	207,061.77
	TOTAL KING'S HIGHWAYS		$2,101,371.42	$7,578,247.84	$ 9,679,619.26
	Total Secondary Roads		99,891.17	1,344,693.58	1,444,584.75
	Total Township Roads		15,724.24	466,941.31	482,665.55
	Total Mining Roads		13,639.81	15,234.76	28,874.57
	Total Connecting Links			3,778.78	3,778.78
	Total Stock		4,506.68	372,507.30	377,013.98
	Total Lands and Buildings		31,124.24	69,194.38	100,318.62
	Total Weigh Scales			3,894.58	3,894.58
	Total Road Surveys		187,036.07		187,036.07
	Total Division Offices' Expense, General Expense, etc.			689,724.26	689,724.26
			$2,453,293.63	$10,544,216.79	$12,997,510.42

APPENDIX No. 3

SCHEDULE OF ASSUMPTIONS AND REVERSIONS OF SECTIONS OF THE KING'S HIGHWAY SYSTEM FOR THE FISCAL YEAR ENDING MARCH 31st, 1944.

The King's Highways—Assumptions—(Fiscal Year Ending March 31, 1944)

District or County	Location of Road	Date Assumed	Miles
Grey	Thornbury Town	June 9, 1943	0.52
Peterborough	Harvey Twp	June 30, 1943	0.09
Simcoe	Sunnidale Twp	Sept. 22, 1943	0.25
Simcoe	Orillia Town	Sept. 22, 1943	0.10
Victoria	Bobcaygeon Village	July 7, 1943	0.09
Wentworth	Saltfleet Twp	June 16, 1943	0.40

Assumed by Land Plan

Brant	Oakland Twp		0.11
Carleton	Osgoode Twp		2.39
Elgin	Yarmouth Twp		0.15
Elgin	Bayham Twp		0.10
Frontenac	Oso Twp		0.55
Haliburton	Cardiff Twp		9.00
Hastings	Faraday Twp		10.00
Norfolk	Townsend Twp		0.14
Northumberland	Brighton Twp		0.20
Peterborough	Harvey Twp		1.25
Peterborough	Anstruther and Chandos Twps		9.75
Prescott	Longueuil and W. Hawkesbury		4.49
Simcoe	Sunnidale and Flos Twps		1.50
Simcoe	Orillia Twp		0.31
Welland	Bertie, Willoughby and Stamford Twps		19.50
			60.89

Reversions

		Date Reverted	
Brant	Oakland Twp	July 23, 1943	0.17
Brant	Dumfries S. Twp	Dec. 3, 1943	5.05
Elgin	Yarmouth Twp	Dec. 3, 1943	0.17
Elgin	Bayham Twp	Feb. 4, 1944	0.13
Frontenac	Oso Twp	Oct. 29, 1943	0.60
Norfolk	Townsend Twp	July 23, 1943	0.20
Northumberland	Brighton Twp	July 23, 1943	0.23
Oxford	Blenheim Twp	Dec. 3, 1943	3.10
Peterborough	Harvey Twp	July 23, 1943	1.28
Simcoe	Sunnidale and Flos Twps	Sept. 9, 1943	2.00
Simcoe	Orillia Twp	Sept. 27, 1943	0.20
Wentworth	Hamilton City	Feb. 4, 1944	0.55
			13.68

BRIDGES COMPLETED ON THE

APPENDIX

Name	Type	Span	Road
Blanche River-South Br.	Steel Deck Truss	45′, 90′, 45′	Englehart-Charlton
Brulé Creek	Timber Pile	2 at 15′	
Calder Twp	Timber Pile	2 at 15′	
Casgrain Twp	Timber	3 at 15′	
Daoust Creek Extension	Timber Pile Trestle	2 at 15′, 1 at 12′	
Fauquier Twp	Timber	1 at 15′, 2 at 7′	
Fauquier Twp	Timber	1 at 15′, 2 at 7′	
Floating Bridge West Br. Montreal River	Floating Log Mat	Length 330′	Matachewan-Ashley Mine
Hislop Twp	Timber	1 at 16′, 1 at 10′	Township Road
Hubbels Bridge (Crow River)	Steel Beams on Creosoted Timber Pile Bents	4 at19′ 4″, 1 at 30′	28 Bancroft-Apsley
Idington Twp	Timber	1 at 15′, 2 at 12′	11 Kapuskasing-Hearst
Idington Twp	Timber	1 at 15′, 2 at 7′	
Lamarche Twp	Timber Pile	2 at 15′	
Lamarche Twp	Timber Pile	2 at 15′	
O'Brien Twp	Timber	1 at 15′, 2 at 7′	
O'Brien Twp	Timber	1 at 15′, 2 at 7′	
Owens Twp	Timber	1 at 15′, 2 at 7′	
Owens Twp	Timber	1 at 20′	
Owens Twp	Timber	1 at 15′, 2 at 7′	
Shackleton Twp	Timber	3 at 15′	
Veuve River (Hagar Bridge)	Creosoted Timber Truss	1 at 60′	Hagar North
Wicklow River	Timber Pile	4 at 20′	11 Porquis Jct.-Cochrane
Wicklow River	Timber Pile	2 at 30′, 4 at 15′	

KING'S HIGHWAYS DURING 1943

No. 4

Township	Lot	Con.	County or District	Div. No.
Dack	8	V	Timiskaming	14
Glackmeyer	11	S. Bdry	Cochrane	16
Calder	2	IV–V	Cochrane	16
Casgrain	20	II–III	Cochrane	16
Bigwood	11	I–II	Sudbury	13
Fauquier	15–16	III	Cochrane	16
Fauquier	12–13	I	Cochrane	16
Powell			Timiskaming	14
Hislop	2–3	I	Cochrane	14
Faraday	29–30	IX	Hastings	10
Idington	1	IV	Cochrane	16
Idington	22	VIII-IX	Cochrane	16
Lamarche	3	I–II	Cochrane	16
Lamarche	2	I–II	Cochrane	16
O'Brien	14	XVI–XVII	Cochrane	16
O'Brien	14	XIV–XV	Cochrane	16
Owens	28	XIV–XV	Cochrane	16
Owens	6–7	XVI	Cochrane	16
Owens	6–7	XVI	Cochrane	16
Shackleton	2	X–XI	Cochrane	16
Hagar	1	I	Sudbury	17
Newmarket	6–7	V–VI	Cochrane	16
Lamarche	4	I–II	Cochrane	16

APPENDIX No. 5

GROWTH OF COUNTY ROAD EXPENDITURES AND PROVINCIAL GRANTS

Year Work was Done	Number of Counties	Expenditure	Government Grants
1903	4	$ 166,149.06	$ 55,383.02
1904	7	291,085.42	97,028.48
1905	6	179,593.62	59,864.53
1906	8	247,102.37	82,367.45
1907	14	383,518.86	127,839.62
1908	15	429,393.57	143,131.16
1909	16	440,374.08	146,791.36
1910	17	553,312.61	184,437.54
1911	19	712,072.52	237,357.50
1912	20	898,631.18	299,543.69
1913	20	847,684.15	282,561.35
1914	20	785,521.93	261,840.61
1915	20	811,540.05	270,513.34
1916	21	955,447.19	327,663.76
1917	30	1,388,341.87	483,621.32
1918	36	2,226,899.70	815,440.01
1919	37	5,714,937.19	2,623,719.24
1920	37	7,956,863.72	3,626,418.08
1921	37	11,078,288.39	5,119,882.26
1922	37	9,162,491.79	4,258,339.83
1923	37	7,403,509.96	3,418,523.07
1924	37	6,861,451.62	3,214,321.50
1925	37	6,608,431.04	3,222,678.10
1926	37	5,838,445.12	2,913,660.96
1927	37	7,424,464.85	3,706,719.88
1928	37	8,784,420.42	4,360,222.86
1929	37	9,212,758.04	4,591,110.16
1930	37	8,929,424.27	4,463,527.11
1931	37	7,265,350.65	3,625,860.66
1932	37	4,214,410.70	2,106,457.18
1933	37	3,058,622.91	1,529,228.37
1934	37	3,391,768.96	1,695,291.35
1935	37	3,107,215.32	1,553,273.39
1936	37	3,438,188.53	1,718,944.63
1937	37	4,062,753.39	2,031,372.49
1938	37	4,686,333.38	2,342,971.65
1939	37	4,775,109.01	2,387,240.73
1940	37	4,496,702.25	2,247,977.06
1941	37	4,805,301.60	2,402,650.75
1942	37	3,221,505.02	1,610,752.54
1943	37	3,951,745.47	1,975,872.73
Totals to Date		$160,767,161.78	$76,622,401.32

APPENDIX No. 6

COUNTY ROAD MILEAGE AND EXPENDITURE

From Inception of County Road Systems to December 31st, 1943. Provincial Subsidies on 1943 Expenditures Being Paid in 1944.

County	Year of Establishment of System	Road Mileages			Total Approved Expenditure to end of 1942	Total Government Grant
		County Roads	County Suburban Roads	Total		
Brant	1917	74.5	26.4	100.9	$ 2,938,445.31	$1,460,988.50
Bruce	1917	275.7	....	275.7	4,229,617.16	2,104,787.82
Carleton	1910	147.0	90.0	237.0	7,935,181.26	3,760,512.95
Dufferin	1918	160.5	....	160.5	1,667,843.34	796,954.58
Elgin	1917	232.4	18.3	250.7	3,290,682.16	1,569,626.71
Essex	1916	209.7	41.0	250.7	6,781,878.73	3,335,327.61
Frontenac	1907	128.4	38.2	166.6	2,053,756.97	960,869.48
Grey	1918	307.7	32.5	340.2	4,315,453.37	2,134,849.81
Haldimand	1912	154.8	....	154.8	3,279,808.02	1,538,563.60
Halton	1907	141.1	....	141.1	2,795,756.09	1,301,932.62
Hastings	1904	274.2	5.0	279.2	3,953,959.80	1,849,839.36
Huron	1917	373.3	....	373.3	3,762,329.09	1,817,899.28
Kent	1917	269.5	9.5	279.0	6,129,427.87	3,061,045.67
Lambton	1918	210.7	14.5	225.2	3,184,432.05	1,543,218.44
Lanark	1903	224.9	6.0	230.9	3,231,489.78	1,537,831.16
Leeds and Grenville	1910	255.1	12.7	267.8	4,509,484.42	2,108,034.89
Lennox and Addington	1906	152.8	....	152.8	2,960,071.27	1,434,711.34
Lincoln	1904	136.6	12.3	148.9	4,775,988.93	2,124,807.63
Middlesex	1906	422.7	54.1	476.8	5,257,327.82	2,444,353.75
Norfolk	1917	199.8	....	199.8	4,457,242.32	2,142,947.98
Northumberland and Durham	1918	228.0	....	228.0	3,714,043.19	1,828,735.88
Ontario	1918	186.2	16.2	202.4	2,718,505.36	1,325,618.64
Oxford	1904–7	172.3	3.9	176.2	3,817,232.69	1,735,918.08
Peel	1907	121.2	....	121.2	3,107,662.92	1,415,713.52
Perth	1907	150.7	7.5	158.2	2,231,127.31	1,030,603.76
Peterborough	1919	125.5	71.8	197.3	1,641,953.81	796,336.53
Prescott and Russell	1917	302.2	....	302.2	4,988,734.46	2,266,921.13
Prince Edward	1907	176.9	....	176.9	2,530,741.74	1,176,393.05
Renfrew	1918	211.0	....	211.0	3,691,129.07	1,801,768.67
Simcoe	1903	265.2	....	265.2	4,890,548.39	2,289,911.85
Stormont, Dundas and Glengarry	1917	463.3	....	463.3	6,722,614.20	3,287,784.98
Victoria	1917	173.1	....	173.1	3,156,817.53	1,567,423.00
Waterloo	1908	153.0	21.0	174.0	4,931,453.46	2,419,127.83
Welland	1912	105.0	16.9	121.9	5,367,707.62	2,504,502.04
Wellington	1903	310.0	23.5	333.5	4,733,382.18	2,240,091.74
Wentworth	1903	95.8	56.0	151.8	5,189,718.51	2,410,223.39
York	1911	88.2	257.1	345.3	15,823,613.58	7,496,224.05
TOTALS		7,679.0	834.4	8,513.4	$160,767,161.78	$76,622,401.32

SUMMARY OF COUNTY

APPENDIX

Name of County	Roads		Bridges	
	Construction	Maintenance	Construction	Maintenance
Brant		$ 73,971.58		$
Bruce		68,728.88		3,184.34
Carleton		131,466.61		6,698.74
Dufferin		25,724.50		
Elgin		104,419.80		4,763.90
Essex		73,940.83		161.07
Frontenac		69,296.29		2,183.92
Grey		122,049.01		8,428.19
Haldimand		83,230.76		
Halton		59,786.75		994.00
Hastings	541.20	78,807.95		1,101.90
Huron		97,483.72	22,386.80	2,787.10
Kent		176,606.75		1,944.15
Lambton		61,475.95		138.41
Lanark		63,267.36		5,319.80
Leeds and Grenville		78,668.09		22,971.27
Lennox and Addington		53,341.26		55.43
Lincoln		82,698.96		849.20
Middlesex		129,798.24		1,673.84
Norfolk		135,576.22		446.48
Northumberland and Durham		71,671.10		514.96
Ontario	25.80	90,159.97		2,825.60
Oxford		73,474.24		149.40
Peel		78,185.79		1,050.00
Perth		85,088.64		576.20
Peterborough		70,989.53		2,070.63
Prescott and Russell		153,039.74		1,845.36
Prince Edward		94,485.78		9,100.37
Renfrew		72,486.42	3,790.06	147.62
Simcoe		108,185.20		1,661.40
Stormont, Dundas and Glengarry		131,054.25		717.03
Victoria		57,370.52		3,313.01
Waterloo		112,763.17		3,187.87
Welland		50,172.44		610.91
Wellington	10,214.55	121,083.25		1,831.55
Wentworth		114,973.99		545.00
York		254,713.90		4,871.77
TOTALS	$ 10,781.55	$ 3,510,237.44	$ 26,176.86	$ 98,720.42

ROAD EXPENDITURES — 1943

No. 7

Miscellaneous		Approved Expenditure			Government Subsidy, 50%		
Construction	Maintenance	Construction	Maintenance	Total	Construction	Maintenance	Total
	$ 5,737.68		$ 79,709.26	$ 79,709.26		$ 39,854.63	$ 39,854.63
	4,930.47		76,843.69	76,843.69		38,421.84	38,421.84
	8,151.59		146,316.94	146,316.94		73,158.47	73,158.47
	2,326.94		28,051.44	28,051.44		14,025.72	14,025.72
	5,121.86		114,305.56	114,305.56		57,152.78	57,152.78
	26,983.29		101,085.19	101,085.19		50,542.59	50,542.59
79.25	1,562.46	79.25	73,042.67	73,121.92	39.63	36,521.33	36,560.96
	Cr. 1,617.86		128,859.34	128,859.34		64,429.67	64,429.67
	13,474.92		96,705.68	96,705.68		48,352.84	48,352.84
	7,280.72		68,061.47	68,061.47		34,030.73	34,030.73
95.08	3,707.86	636.28	83,617.71	84,253.99	318.14	41,808.86	42,127.00
670.85	1,643.84	23,057.65	101,914.66	124,972.31	11,528.82	50,957.33	62,486.15
	11,448.83		189,999.73	189,999.73		94,999.87	94,999.87
	5,753.01		67,367.37	67,367.37		33,683.69	33,683.69
	4,283.93		72,871.09	72,871.09		36,435.55	36,435.55
2,294.82	120.73	2,294.82	101,760.09	104,054.91	1,147.41	50,880.05	52,027.46
	11,623.87		65,020.56	65,020.56		32,510.28	32,510.28
	5,207.32		88,755.48	88,755.48		44,377.75	44,377.75
	6,131.96		137,604.04	137,604.04		68,802.02	68,802.02
255.62	13,130.12	255.62	149,152.82	149,408.44	127.81	74,576.41	74,704.22
	10,023.56		82,209.62	82,209.62		41,104.81	41,104.81
38.91	4,020.18	64.71	97,005.75	97,070.46	32.35	48,502.89	48,535.24
	3,890.53		77,514.17	77,514.17		38,757.09	38,757.09
	6,149.74		85,385.53	85,385.53		42,692.76	42,692.76
	3,130.55		88,795.39	88,795.39		44,397.69	44,397.69
	14,818.82		87,878.98	87,878.98		43,939.48	43,939.48
	2,135.67		157,020.77	157,020.77		78,510.38	78,510.38
	3,458.83		107,044.98	107,044.98		53,522.48	53,522.48
	9,620.17	3,790.06	82,254.21	86,044.27	1,895.03	41,127.11	43,022.14
	20,215.79		130,062.39	130,062.39		65,031.20	65,031.20
	14,453.97		146,225.25	146,225.25		73,112.63	73,112.63
	10,418.82		71,102.35	71,102.35		35,551.17	35,551.17
	19,180.77		135,131.81	135,131.81		67,565.90	67,565.90
	9,776.40		60,559.75	60,559.75		30,279.88	30,279.88
50.00	7,292.32	10,264.55	130,207.12	140,471.67	5,132.27	65,103.56	70,235.83
	11,880.36		127,399.35	127,399.35		63,699.67	63,699.67
	14,874.65		274,460.32	274,460.32		137,230.16	137,230.16
$3,484.53	$ 302,344.67	$ 40,442.94	$ 3,911,302.53	$ 3,951,745.47	$ 20,221.46	$ 1,955,651.27	$ 1,975,872.73

SUMMARY OF TOWNSHIP ROAD EXPENDITURES

APPENDIX No. 8

Approved Expenditure and Government Subsidy on Township, Indian Reserve and Provincial Park Roads Under the Provisions of The Highway Improvement Act.

Year	No. of Twps.	Approved Expenditure			Government Subsidy		
		Construction	Maintenance	Total	Construction	Maintenance	Total
1920 to 1934	172 to 338	$23,718,523.99	$34,676,016.07	$58,394,540.06	$ 7,615,854.36	$11,127,216.53	$18,743,070.89
1935	339	830,871.14	2,114,553.23	2,945,424.37	347,937.81	885,868.67	1,233,806.48
1936	343	713,523.32	2,275,094.06	2,988,617.38	299,877.21	951,755.22	1,251,632.43
1937	344	1,236,900.18	2,620,618.43	3,857,518.61	625,524.80	1,317,820.18	1,943,344.98
1938	559	1,589,096.89	3,237,808.11	4,826,905.00	832,449.30	1,721,388.67	2,553,837.97
1939	565	1,824,526.20	3,568,455.39	5,392,981.59	977,214.55	1,888,537.57	2,865,752.12
1940	563	1,006,122.02	3,499,173.61	4,505,295.63	544,894.50	1,866,170.40	2,411,064.90
1941	566	1,060,139.17	4,392,147.57	5,452,286.74	573,164.34	2,344,652.10	2,917,816.44
1942	564	19,564.88	3,678,736.47	3,698,301.35	10,286.25	1,968,082.06	1,978,368.31
1943	564	209,424.76	5,303,565.76	5,512,990.52	85,504.23	2,844,003.92	2,929,508.15
TOTALS..........	....	32,208,692.55	$65,366,168.70	$97,574,861.25	$11,912,707.35	$26,915,495.32	$38,828,202.67

APPENDIX

MILEAGE OF ROAD SURFACES

Municipality	COUNTY ROADS					
	Earth	Gravel or Stone	Surface Treated Gravel or Stone	Low-cost Bituminous Surfaces	Mix. Mac. or Asp. Con.	Cement Concrete
Brant	2.3	62.2	2.7	26.2	6.5	1.0
Bruce	......	214.2	1.7	58.0	0.5	1.3
Carleton	10.1	92.8	37.1	38.7	58.3	......
Dufferin	......	159.4	......	......	......	1.1
Elgin	......	226.9	1.2	22.4	......	0.2
Essex	......	163.0	......	33.6	5.1	49.0
Frontenac	......	109.4	25.5	13.6	18.1	......
Grey	......	300.8	......	38.7	......	0.7
Haldimand	4.2	88.2	52.7	......	5.8	3.9
Halton	......	102.2	......	17.6	......	21.3
Hastings	......	254.3	2.2	5.3	15.1	2.3
Huron	......	311.4	1.9	59.5	......	0.5
Kent	......	159.1	6.0	88.4	2.8	22.7
Lambton	......	187.7	0.2	32.5	2.2	2.6
Lanark	8.8	167.0	16.0	22.7	16.4	......
Leeds and Grenville	31.8	114.9	......	55.2	62.2	3.7
Lennox and Addington	......	92.8	13.8	16.2	30.0	......
Lincoln	......	11.6	95.7	26.1	2.9	12.6
Middlesex	......	431.9	1.1	3.3	......	40.5
Norfolk	3.8	42.9	83.6	68.3	......	1.2
Northumberland and Durham	......	189.8	......	2.5	35.7	......
Ontario	......	166.9	......	30.7	......	4.8
Oxford	......	135.8	1.8	38.6	......	......
Peel	......	98.6	......	6.6	10.6	5.4
Perth	......	141.5	14.4	2.3	......	......
Peterborough	......	177.9	......	19.4	......	......
Prescott and Russell	29.5	165.8	88.4	......	18.5	......
Prince Edward	......	97.1	46.0	16.3	8.9	8.6
Renfrew	20.3	149.9	39.3	0.5	......	1.0
Simcoe	......	256.1	......	8.9	0.2	......
Stormont, D. and G.	......	196.9	139.2	126.0	......	1.2
Victoria	......	151.7	......	18.4	3.0	......
Waterloo	......	109.3	13.0	23.6	......	28.1
Welland	......	6.2	72.8	10.2	22.4	10.3
Wellington	......	296.5	7.8	16.3	......	12.9
Wentworth	......	65.0	42.4	37.9	3.9	2.6
York	16.4	89.4	78.3	70.0	74.3	16.9
Total County Area	127.2	5787.1	884.8	1054.5	403.4	256.4
Northern Townships	......	......	......	......	......	......
GRAND TOTALS	127.2	5787.1	884.8	1054.5	403.4	256.4

No. 9

AT THE END OF 1943

	ORGANIZED TOWNSHIP ROADS						
Total	Earth	Gravel or Stone	Surface Treated Gravel or Stone	Low-cost Bituminous Surfaces	Mix. Mac. or Asp. Con.	Cement Concrete	TOTAL
100.9	95.3	452.4	2.8	....	....	....	550.5
275.7	228.7	1403.0	....	....	....	....	1631.7
237.0	326.2	734.0	7.6	....	....	....	1067.8
160.5	149.0	613.5	....	....	....	....	762.5
250.7	58.0	821.2	....	0.2	....	....	879.4
250.7	78.5	811.7	....	....	....	35.3	925.5
166.6	457.6	496.2	....	1.0	....	....	954.8
340.2	410.0	1662.3	....	....	....	....	2072.3
154.8	137.3	455.1	9.7	....	....	....	602.1
141.1	35.7	396.1	....	....	....	1.2	433.0
279.2	374.0	1122.8	....	....	1.0	....	1497.8
373.3	208.0	1352.1	....	0.8	....	....	1560.9
279.0	142.1	1180.8	....	0.4	....	....	1323.3
225.2	239.1	1197.1	2.0	0.3	....	....	1438.5
230.9	560.5	425.0	....	....	....	....	985.5
267.8	539.0	833.9	....	4.3	15.0	....	1392.2
152.8	279.7	375.9	....	0.5	....	....	656.1
148.9	247.3	407.0	9.8	....	....	3.6	667.7
476.8	150.5	1371.2	....	....	....	0.2	1521.9
199.8	407.1	519.7	0.3	2.5	....	....	929.6
228.0	916.6	1335.7	....	....	....	....	2252.3
202.4	246.3	932.4	....	0.2	....	....	1178.9
176.2	17.0	1027.3	2.3	3.0	....	....	1049.6
121.2	88.0	515.8	....	....	....	....	603.8
158.2	70.8	997.3	0.2	....	....	....	1068.3
197.3	304.5	618.8	....	1.4	....	....	924.7
302.2	619.8	312.0	....	....	....	....	931.8
176.9	56.4	314.2	....	....	....	....	370.6
211.0	1031.8	671.5	....	....	....	....	1703.3
265.2	491.2	1604.0	....	....	....	....	2095.2
463.3	512.3	807.2	....	5.5	....	5.1	1330.1
173.1	167.3	773.7	....	....	....	....	941.0
174.0	52.5	489.8	....	....	....	0.2	542.5
121.9	427.5	392.9	108.8	2.2	9.2	2.1	942.7
333.5	546.9	768.4	....	....	....	0.4	1315.7
151.8	98.1	465.2	0.6	0.3	....	....	564.2
345.3	511.0	1002.1	34.2	18.3	87.9	14.1	1667.6
8513.4	11281.6	29659.3	178.3	40.9	113.1	62.2	41335.4
....	1675.5	4751.9	21.0	23.6	1.5	7.8	6481.3
8513.4	12957.1	34411.2	199.3	64.5	114.6	70.0	47816.7

Report of the Motor Vehicles Branch, 1943

To The Honourable George H. Doucett,
Minister of Highways.

Sir:

I have the honour to submit herewith a report of the activities of the Motor Vehicles Branch for the year 1943.

This report includes:

(a) Figures relating to motor vehicle permits and drivers' licenses issued during the license year ending March 31, 1944;

(b) A statement, certified by the Provincial Auditor, showing the amount of revenue derived from all sources during the fiscal year ending March 31, 1944; and

(c) Reports relating to the work engaged in by the Accident, Financial Responsibility and Public Vehicle Divisions of the Branch during 1943.

Motor Vehicle Registrations

Despite restrictions on the use of motor vehicles, the registration total (691,615) showed a percentage reduction of only 3.32 from the corresponding total (715,386) for 1942.

Drivers' Licenses

Chauffeurs' and Operators' Licenses issued during the year totalled 919,547, representing a decrease of 4.4 per cent. from the total (961,883) for 1942. There were 70,112 Instruction Permits issued as compared with 76,390 for the previous year.

Revenue

The net revenue collected during the fiscal year ending March 31st, 1944, amounted to $9,366,737.08 as compared with $7,327,019.23 for the previous year.

Due to the fact that many motorists believed that it was necessary to register their vehicles before March 31st, 1942, in order to secure gasoline ration books, a considerable portion of the revenue for 1942 registrations was included with the revenue for the fiscal year 1941–42.

The lower net revenue shown for 1942–1943 ($7,327,019.23) was thus to a large extent a 'statistical' decrease.

Motor Vehicle Accidents

The downward trend in accidents, deaths and injuries — noted in 1942 — continued during 1943.

A total of 11,025 accidents were reported during the year, resulting in 549 deaths, injury to 8,628 persons and a property damage loss estimated at $1,674,589.

While there were 18 fewer persons fatally injured than in 1942, the death rate on the basis of mileage driven (gasoline consumption) was higher than in the previous year.

As compared with the decrease of 18.3 per cent. in the number of accidents reported, 'fatal' accidents showed a decrease of .08 per cent., and 'personal injury,' and 'property damage only' accidents decreased by 16.6 per cent., and 22.4 per cent.

A separate and detailed study of Ontario motor vehicle accidents for the year 1943 has been prepared for distribution.

In considering the motor vehicle accident problem in general, it is axiomatic that the willingness of the individual driver and pedestrian to adhere to the rules of safe practice when driving and walking will do more than anything else to protect life and limb on the highways. It is with this in mind that efforts have been made by this Department for many years to develop and sustain interest in accident prevention and to impress the need for acceptance of individual responsibility upon our citizens. Numerous organizations interested and active in the safety field have had the willing co-operation of this Department in providing information and material needed to add to the effectiveness of various safety efforts.

Since every accident involves at least three factors — the driver, the vehicle and the highway, and in some cases the pedestrian — and as most accidents are the result of several contributing causes, the solution or control of the problem presents difficulties which are not to be found in the prevention of industrial and other types of accidents. In addition to providing material for educational purposes, this Branch has therefore devoted much time to accident research as a means of developing a clearer understanding of the accident problem and of the steps needed to improve the situation. Such efforts have yielded profitable results and, we believe, should be continued and extended.

With the removal of present driving restrictions one may safely predict an increase in accident frequency unless serious effort is devoted to accident prevention by all agencies and organizations concerned with this problem.

License and Permit Suspensions

During 1943 a total of 5,087 suspensions were applied, comprising 4,544 suspensions requiring proof of financial responsibility and 543 other suspensions. The percentage decrease in the number of suspensions, from the corresponding total for 1942, amounted to 32.7.

There were 25,977 convictions (involving the operation of motor vehicles) reported as compared with 38,248 for 1942 — representing a decrease of 45.1 per cent.

Public and Public Commercial Vehicles

During the license year ending March 31st, 1944, there were 8,552 Public Commercial Vehicle licenses issued, representing a decrease of 265 or 3.0 per cent. from the same total for the previous year. The 1,490 Public Vehicles licensed during 1943 represented an increase of 54 or 3.8 per cent. from the total for 1942.

Respectfully submitted,

J. P. Bickell,
Registrar of Motor Vehicles.

NUMBER OF PERMITS AND LICENSES ISSUED

The following tables show the number of permits and licenses issued during the five years 1939 to 1943, and the percentage change between the 1943 and 1942 totals:

Class of License or Permit	1939	1940	1941	1942	1943	% Change
Passenger Car	593,693	610.576	636,624	611,897	586,036	4.2 D.
Commercial Vehicle	81,246	84,980	93,754	94,318	96,103	1.9 I.
Bus	960	1,058	1,268	1,518	1,614	6.3 I.
Two-Purpose Vehicle	1,893	1,855	1,654	1,543	1,447	6.2 D.
Motorcycle	5,099	5,403	5.894	6,104	6,415	5.1 I.
Total	682,891	703,872	739,194	715,380	691,615	3.3 D.
Trailer Permits	41,586	44,650	48,739	48,795	48,426	0.8 D.
Operators' Licenses	635,143	661,203	690,582	664,455	630,680	5.1 D.
Chauffeurs' Licenses	264,429	276,348	296,191	297,428	288,867	2.9 D.
Total	899,572	937,551	986,773	961,883	919,547	4.4 D.
Temporary Instruction Permits	99,360	116,349	122,002	76,390	70,112	8.2 D.
Transfers	131,861	134,714	179,930	125,964	133,032	5.6 I.
'In Transit' Markers	17,139	11,129	14,511	3,341	581	82.6 D.
'M' Dealers	1,192	1,174	1,076	794	569	28.3 D.
'MC' Dealers	11	10	3	2	2	—

GROSS REVENUE OF MOTOR VEHICLES BRANCH

Fiscal Year 1943-1944

Permits and Licenses:				
Passenger		$ 4,179,977.95		
Commercial		3,196,081.75		
Two-Purpose		6,259.60		
Trailers		323,107.76		
Motorcycles		4,071.00		
Dealers:				
Automobiles	$11,915.00			
Motorcycles	6.00			
		11,921.00		
Operators and Instruction		606,231.40		
Chauffeurs		281,873.00		
Public Vehicles		197,931.24		
Public Commercial Vehicles		366,300.76		
Miscellaneous		773.25		
			$ 9,174,528.71	
Fees:				
In Transits		273.69		
Duplicate Cards		12,850.00		
Transfers		121,046.29		
Searches and Certificates		1,182.74		
Lists		30.24		
Examinations		9,385.00		
Testing Headlights		10.00		
			$ 144,777.78	
Fines:				
Breach of Highway Traffic Act			47,430.59	
				$ 9,366,737.08

NET REVENUE OF MOTOR VEHICLES BRANCH

Fiscal Year 1943-1944

	Gross	Deductions	Net
Passenger Car Permits	$ 4,289,447.00	$ 109,469.05	$ 4,179,977.95
Commercial Permits	3,216,157.39	19,255.75	3,196,901.64
Two-Purpose Permits	6,498.00	238.40	6,259.60
Trailer Permits	333,065.76	9,958.00	323,107.76
Motorcycle Permits	4,808.50	737.50	4,071.00
Dealers' Permits	11,915.00		11,915.00
Motorcycle Dealers' Permits	6.00		6.00
Operators and Instruction	671,131.50	64,900.10	606,231.40
Chauffeurs	308,134.00	26,261.00	281,873.00
In Transits	291.50	17.90	273.60
Transfers	135,553.00	14,506.80	121,046.20
Public Vehicles	197,931.24		197,931.24
Public Commercial Vehicles	368,622.57	2,321.81	366,300.76
Duplicate Cards	12,870.00	20.00	12,850.00
Searches and Certificates	1,182.74		1,182.74
Fines	47,430.59		47,430.59
Lists	30.24		30.24
Postage	63.03		63.03
Testing Headlights	10.00		10.00
Examination Fees	9,385.00		9,385.00
Miscellaneous	26.37		26.37
	$ 9,614,559.43	$ 247,686.31	$ 9,366,873.12
Balances Due from Agents	819.89		
Less Amount Overcharged on Commercial (Acct. No. 16)	63.00	882.89	
	$ 9,614,559.43	$ 248,569.20	$ 9,365,990.23
Bank Interest	3.65		
1942-1943 Balances Paid	743.20		746.85
			$ 9,366,737.08

NUMBER OF MOTOR VEHICLES REGISTERED IN ONTARIO†

Year	Passenger	Commercial	Two Purpose	Motorcycle	Total
1903	178				178
1904	535				535
1905	553				553
1906	1,176				1,176
1907	1,530				1,530
1908	1,754				1,754
1909	2,452				2,452
1910	4,230				4,230
1911	11,339				11,339
1912	16,268			1,754	18,022
1913	23,700			2,900	26,600
1914	31,724			3,633	35,357
1915	42,346			4,174	46,520
1916	51,589	2,786		4,287	58,662
1917	78,861	4,929		5,180	88,970
1918	101,599	7,529		5,002	114,130
1919	127,860	11,428		5,516	144,804
1920	155,861	16,204		5,496	177,561
1921	181,978	19,554		4,989	206,521
1922	210,333	24,164		4,799	239,296
1923	245,815	28,612		4,325	278,752
1924	271,341	31,488		3,941	306,770
1925	303,736	34,690		3,748	342,174
1926	343,992	39,012		3,345	386,349
1927	386,903	43,442		3,159	433,504
1928	429,426	54,714		3,197	487,337
1929	473,222	55,218	8,226	3,541	540,207
1930	490,906	61,690	5,986	3,924	562,506
1931	489,713	64,256	4,177	4,070	562,216
1932	462,923	61,347	3,239	4,088	531,597
1933	453,314	59,760	2,909	4,370	520,353
1934	470,617	64,436	2,724	4,468	542,245
1935	489,610	67,590	2,370	4,506	564,076
1936	514,211	70,693	*	4,553	589,457
1937	541,802	75,687	1,847	4,582	623,918
1938	580,364	81,642	1,876	5,206	669,088
1939	593,693	82,206	1,893	5,099	682,891
1940	610,576	86,038	1,855	5,403	703,872
1941	636,624	95,022	1,654	5,894	739,194
1942	611,897	95,836	1,543	6,104	715,380
1943	586,036	97,717	1,447	6,415	691,615

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† Totals do not include trailer permits.

* Included with passenger vehicles.

REPORT OF THE FINANCIAL RESPONSIBILITY DIVISION, 1943

Under the Financial Responsibility provisions of the Highway Traffic Act, an operator of a motor vehicle if convicted of certain offences or for failure to satisfy a judgment for damages (occasioned by a motor vehicle) in excess of $25, is required to surrender his driver's license and vehicle registration privileges until he gives proof of his ability to compensate financially those whom he may endanger in the future and, in the case of judgments, makes arrangements to satisfy same.

Since this provision became effective in September, 1930, more than sixty thousand (60,807) suspension orders have been applied. Of this total, 36,148 have been rescinded or have expired, leaving a total of 24,659 financial responsibility suspensions in effect at the end of December, 1943.

During the same period of time (since September, 1930) an additional 12,584 suspensions — not requiring proof of financial responsibility — have been applied by the Branch. Of the latter total, 1,568 have been rescinded or have expired and 11,016 were effective at the end of 1943.

During 1943 there were 5,087 suspensions put into effect, of which 4,544 required the filing of proof of financial responsibility, and 543 were suspensions or revocations not requiring proof of financial responsibility.

Of the 4,544 suspensions, 1,638 (36.1%) followed convictions for 'careless driving'; 980 (21.6%) were the result of 'insurance cancellations'; and 674 (14.8%) were the outcome of convictions for 'drunk driving.'

More detailed data relating to suspensions applied during 1943 are given in the following tables:

Table I

STATISTICS RELATING TO SUSPENSIONS APPLIED, SUSPENSIONS REINSTATED AND SUSPENSIONS EFFECTIVE

Period January 1, 1943, to December 31, 1943

Offence	Suspensions Applied (A)			Suspensions Rescinded (B)			Suspensions Effective (A-B)		
	Non-F.R.	F.R.	Total	Non-F.R.	F.R.	Total	Non-F.R.	F.R.	Total
Reckless Driving	15	474	489	5	192	197	10	282	292
Speeding	......	10	10	......	4	4	......	6	6
Racing	......	2	2	......	......	......	......	2	2
No License	......	150	150	......	32	32	......	118	118
Criminal Negligence	......	2	2	......	1	1	......	1	1
Other Offences	3	38	41	2	5	7	1	33	34
Judgments	1	89	90	1	27	28	......	62	62
Policy Cancellation	......	980	980	......	202	202	......	778	778
Leaving Scene of Accident	1	307	308	5	132	137	−4	175	171
Driving while Intoxicated	5	674	679	12	182	194	−7	492	485
Section 23	516	4	520	86	1	87	430	3	433
Theft	......	176	176	......	1	1	......	175	175
Manslaughter	......	......	......	......	......	......	......	......	......
Section 81	......	......	......	......	......	......	......	......	......
Careless Driving	2	1638	1640	1	920	921	1	718	719
	543	4544	5087	112	1699	1811	431	2845	3276
Expired	......	......	......	14	1206	1220	......	......	......
TOTAL SUSPENSIONS	543	4544	5087	126	2905	3031	417	1639	2056

Table II

STATISTICS RELATING TO SUSPENSIONS APPLIED, SUSPENSIONS REINSTATED AND SUSPENSIONS EFFECTIVE

Period September 1, 1930, to December 31, 1943

Offence	Suspensions Applied (A)			Suspensions Rescinded (B)			Suspensions Effective (A–B)*		
	Non-F.R.	F.R.	Total	Non-F.R.	F.R.	Total	Non-F.R.	F.R.	Total
Reckless Driving	6582	19914	26496	349	10994	11343	6233	8920	15153
Speeding	359	525	884	10	370	380	349	155	504
Racing	6	20	26	2	16	18	4	4	8
No License	32	5802	5834	2	4367	4369	30	1435	1465
Criminal Negligence	6	296	302	1	131	132	5	165	170
Other Offences	555	926	1481	173	198	371	382	728	1110
Judgments	104	1264	1368	52	413	465	52	851	903
Policy Cancellation	3	11313	11316	3	4667	4670	......	6646	6646
Leaving Scene of Accident	53	3557	3610	11	1749	1760	42	1808	1850
Driving while Intoxicated	210	9313	9523	106	2570	2676	104	6743	6847
Section 23	4662	52	4714	791	17	808	3871	35	3906
Theft	1	659	660	......	9	9	1	650	651
Manslaughter	......	30	30	......	1	1	......	29	29
Section 81	1	4	5	1	......	1	......	4	4
Careless Driving	10	7132	7142	4	3454	3458	6	3678	3684
	12584	60807	73391	1505	28956	30461	11079	31851	42930
Expired	......	......	......	63	7192	7255	......	......	......
TOTAL SUSPENSIONS†	12584	60807	73391	1568	36148	37716	11016	24659	35675†

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* A minus B gives number of suspensions effective as of December 31, 1943.

† Total number of rescinded suspensions plus suspensions which have expired. Total number of suspensions which have expired have been subtracted to show number of suspensions in effect (35,675).

REPORT OF PUBLIC VEHICLE DIVISION, 1943-1944

During the year ending March 31st, 1944, there were 8,552 Public Commercial Vehicle licenses issued, a decrease of 265 from the total for the previous year. There were 3,687 Public Commercial Vehicle operators licensed during the same period.

There were 1,490 Public Vehicles registered in 1943, an increase of 54 from the 1942 total. The number of licensed Public Vehicle operators was 147.

The number of school buses licensed in 1943 was 361, an increase of 55 from the total for the previous year and the number of school bus operators increased by 46 to 346.

The total revenue collected by this Division during the operating year 1943–1944 amounted to $564,232.00.

For a number of years American operators of common carriers have sought permission to make use of Ontario highways for the purpose of transporting goods between Buffalo and Detroit and Buffalo and Port Huron, but it was not until September, 1942, that arrangements were made with the Federal authorities to permit the transport, by American operators, of war materials in bond between the points mentioned.

Since the distance between Buffalo and Detroit is more than 100 miles shorter over the Canadian route and the distance between Buffalo and Port Huron almost 200 miles less than the distance by United States highways, it can be seen that this change in the regulations has helped to expedite the movement of war materials and at the same time has resulted in considerable savings to the American operators in fuel and rubber consumption.

Since complete adherence to the Ontario Public Commercial Vehicle regulations presented certain difficulties, arrangements were made to permit the admission of American vehicles carrying war materials, in bond, upon payment of a fee of one dollar for each trip. These permits are issued by this Branch in minimum lots of 350. Transport operators and private operators making use of Ontario highways for occasional trips are permitted to move freight in bond upon payment of a fee of ten dollars for a permit for a single, one-way trip.

As a prerequisite to the issuance of the permit, the transport operator must file a certificate from the Interstate Commerce Commission to the effect that the applicant is authorized as a common carrier in the United States and must also file a certificate indicating that adequate insurance coverage is carried. In addition to these restrictions as applied by this Department, the operator must be authorized as a bonded carrier by the Dominion Department of Customs.

At the end of 1943, eight American Commercial Vehicle operators, transporting freight in bond along specified routes between the border cities, were licensed, and a total of 9,084 single or one-way trips were operated by their vehicles.

ANNUAL REPORT
OF
THE COMMISSIONER
OF THE
ONTARIO PROVINCIAL POLICE
FROM
JANUARY 1st, 1944 TO DECEMBER 31st, 1944

PRINTED BY ORDER OF
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ONTARIO

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1945

To The Honourable Albert Matthews, LL.D.,
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to present to Your Honour the Report of The Commissioner of the Ontario Provincial Police covering the period January 1st, 1944, to December 31st, 1944.

Respectfully submitted,

L. E. BLACKWELL,
Attorney-General.

Attorney-General's Department.

ONTARIO PROVINCIAL POLICE

Commissioner

W. H. Stringer, O.B.E.

Deputy Commissioner

H. S. McCready

Senior Staff Inspector

W. C. Killing

Criminal Investigation Branch

A. H. Ward, Chief Inspector

Inspectors

E. C. Gurnett, M.M.
W. J. Franks
W. H. Kennedy
E. D. L. Hammond
G. Mackay
E. Wright (Prov. Con.) (C.A.S.F.)
W. H. Lougheed
A. H. Palmer
F. C. Kelly

Staff Inspectors

A. Moss
E. T. Doyle

Liquor Control Investigation Branch

F. E. Elliott, *Chief Inspector* (Superannuated
P. Walter, *Staff Inspector*
J. Bartlett, *Provincial Constable*
A. Shaughnessy, *Provincial Constable*

District Inspectors

No. 1	District,	Windsor..............	Actg. District	Inspector	W. A. Scott
No. 2	"	London...............	District	Inspector	C. A. Jordan
No. 3	"	Hamilton.............	"	"	A. R. Knight
No. 4	"	Niagara Falls..........	"	"	C. F. Airey, M.S.M.
No. 5	"	Toronto................	"	"	E. Hand
No. 6	"	Kitchener.............	"	"	W. A. Page
No. 7	"	Barrie................	"	"	R. Cox
No. 8	"	Belleville.............	"	"	H. Storey
No. 9	"	Perth.................	"	"	T. W. Cousans
No. 10	"	Haileybury............	"	"	S. Oliver
No. 11	"	Sudbury..............	"	"	P. T. Hake
No. 12	"	Port Arthur..........	"	"	W. G. Ingram

Report of the Commissioner of Police for Ontario

From January 1st, 1944, to December 31st, 1944

Ontario Provincial Police,
Headquarters, Toronto.

The Honourable the Attorney-General,
Parliament Buildings, Toronto, Ontario.

Sir:

I have the honour to submit herewith my Annual Report covering the work of the Ontario Provincial Police, together with statistical data for the period January 1st, 1944, to December 31st, 1944.

I am pleased to report that during the year there was no outbreak of serious crime and that law and order was exceptionally well observed notwithstanding the continual strain of war conditions.

Our greatest problem, perhaps, has arisen from what might be termed "night riders"—gangs of youthful bandits who, in a stolen automobile, leave the city or town where they reside and swoop down on a preselected office or store in some small centre that has little or no police protection, where they either clean out the store, crack or steal the safe and are away before the theft has been discovered.

Special night patrols have been arranged in an endeavour to deal with these marauders, which have been successful in a number of cases.

All reports of sabotage or incendiarism in industrial plants have been investigated in co-operation with officials of the Fire Marshal's Branch and the R.C.M.P. Without exception all such fires or explosions were found to be from accidental causes.

The citizens of the Province have again shown their loyalty and interest in law enforcement by reporting unusual occurrences, and on many occasions rendering assistance to members of the Force in diverse ways. In this connection they have a record of which they may well be proud.

Assistance to Other Departments

We have again rendered material assistance to various Departments of the Federal Government in the enforcement of war measures and regulations, both civil and military.

Since March, 1943, the members of this Force have by request made five hundred and fifty-seven (557) specific investigations regarding defaulters under the mobilization regulations of the Selective Service Act. Of these, it was found that:

172 alleged defaulters were serving in various branches of the Active Service Force;

17 had deferments;
20 were aliens, mostly working in the tobacco fields, and had returned to the United States;
4 had rejection slips;
4 were dead;
1 was an enemy alien.

The investigating officers encountered considerable resentment when making enquiries from parents whose sons had been on Active Service and in many cases serving Overseas.

At the request of No. 1 Training Command Headquarters, Royal Canadian Air Force, Toronto, three hundred and twenty-seven (327) individual enquiries were made and reports submitted regarding personnel of the Air Force, who had applied for special leave of absence, or discharge on compassionate grounds.

In making these enquiries a special patrol had often to be carried out, as in all cases it was necessary to interview the parents, wife or family doctor of the enlisted man, in addition to making a general survey of the home and conditions existing thereat.

MATTERS PERTAINING TO OTHER FORCES

Township of Whitchurch, County of York

On December 8th, 1943, I was commissioned to hold an enquiry under The Constables Act, R.S.O. 1937, Chapter 140, and Amendments thereto, into the conduct of a constable in the employment of the Township of Whitchurch, County of York, and to report generally on the system of police administration in the said Township.

York Township, County of York

In March, 1944, an Inspector of the Criminal Investigation Branch was assigned to assist a commission appointed to investigate and enquire into the conduct and administration of the York Township Police Department.

Weston, County of York

In March, 1944, an Inspector of the Criminal Investigation Branch was appointed to investigate, enquire into and report upon the conduct and administration of the Police Department of the Town of Weston.

Scarboro, County of York

In November, 1944, an Inspector of the Criminal Investigation Branch was detailed to supervise, assist and report on the administration of the Township of Scarboro Police Department.

Amendment to Municipal Act re Policing Municipalities by Ontario Provincial Police

By an amendment to The Municipal Act, R.S.O. 1937, Chapter 266, as enacted by 8 George VI, Chapter 39, Section 35, 1944, provisions were made as follows, that:

"1. Notwithstanding the provisions of this or any other Act, and subject to the approval of the Lieutenant-Governor in Council, the Council of any municipality may enter into any agreement or agreements with the Commissioner of Police for Ontario, for the policing of the municipality by the Ontario Provincial Police Force.

"2. Where an agreement has been entered into under Sub-Section 1, the members of the Ontario Provincial Police Force, assigned to duty in the municipality, shall be charged with the duty of preserving the peace, preventing crimes and other offences, including offences against the by-laws of the municipality, and shall perform such other duties formerly performed by members of the municipal police force, as may be specified in the agreement.

"3. The monies received from a municipal corporation pursuant to an agreement entered into under sub-section 1 shall be paid into the Consolidated Revenue Fund.

"4. Where no appropriation is available for paying the expenses of policing a municipality, pursuant to an agreement entered into under Section 1, such expenses shall be paid out of the Consolidated Revenue Fund."

By virtue of the amendment, requests have been received from a number of municipal councils asking for particulars regarding the policing of their municipality by members of this Force.

In all cases, a senior officer for the Commissioner's office visited the municipality, made a survey, and conferred with representatives of the council concerned.

A great many of the enquiries have come from villages or small towns that have never employed a fully qualified police force. Any police representation usually consisted of a local man designated as a "Chief Constable", who often had regular employment, as well as his side line of police work. In other cases it was found that the duties of the "Chief Constable" consisted of almost everything but police duties.

It was further found that the majority of these small municipalities wanted a representative of the Ontario Provincial Police posted to their village or town, but were not in a position, or were not anxious, to reimburse the Province for his services.

At the present time, negotiations are underway with several municipalities, and it appears most likely that agreements will be entered into whereby members of this Force will be appointed to police the municipalities concerned.

Establishment of Additional Police District

Owing to the difficulty of giving proper supervision to law enforcement in No. 12 District, Port Arthur, which comprises the judicial districts of Thunder Bay, Rainy River, Kenora and Patricia, it has been decided to have a survey made with the prospect in view of dividing the present district and making an additional police district with headquarters at Kenora.

The present length of No. 12 District from White River on the east to the Ontario-Manitoba boundary is approximately 580 miles, and it is felt that proper supervision cannot be given to the personnel in this vast area as at present constituted.

There are three isolated detachments in this District situate at Favourable Lake, Red Lake and Pickle Lake, which can only be reached by air or water transport, and which cannot possibly receive proper supervision under the present arrangement.

It is also certain that there will be a considerable increase in tourist traffic in the Kenora and Rainy River areas when transportation restrictions are removed, and it is likewise certain that there will be an increase in mining, lumber and pulpwood activities as post-war projects.

With all of this in view, I am of the firm opinion that in the interest of law enforcement and crime prevention an additional Police District is necessary.

Criminal Occurrences

There was a slight increase in some of the major crimes reported during the year, manslaughter having increased from sixteen (16) in 1943 to thirty-five (35) in 1944 and rape from twenty-five (25) to thirty-one (31).

Entering and theft from unoccupied summer homes was again quite prevalent, the perpetrators in many cases, as in 1943, were deserters from the Services who were hiding out in an endeavour to escape apprehension and military service.

The following table gives a comparative statement for the years 1943-1944:

	1944	1943
Murder	9	8
Manslaughter	35	16
Rape	31	25
Burglary	98	171
Shopbreaking	682	754
Housebreaking	1,039	996
Robbery with Violence	35	72
Robbery	68	46
Automobile Thefts	435	538
Other Thefts	3,309	3,196

PROSECUTIONS

Criminal Code and Relating Statutes

There were 6,016 cases under this heading before the courts during the year, a decrease of 788 over 1943. This was accounted for by a general decrease in criminal prosecutions.

Highway Traffic Act

There were 4,646 prosecutions for violations of the Highway Traffic Act, a decrease of 562 from 1943. This reduction in prosecutions can be accounted for by reason of the decreased number of automobiles using the highways and the continued gasoline and rubber restrictions.

Liquor Control Act

Prosecutions under this Act totalled 3,008, an increase of 439 over 1943.

This increase can be ascribed to the renewed activity amongst bootleggers, due in part to the restriction and curtailment of the supply of beer and liquor from authorized sources.

Wartime Regulations

There was again a noticeable decrease of cases entered for violations of the various Wartime Regulations. The number of prosecutions have decreased from 1,558 in 1943 to 1,056 for the year now under review.

The principal item of decrease is in prosecutions under the 40-mile speed limit of the War Measures Act, which dropped from 1,292 in 1943 to 806 for 1944.

This also can be attributed to the reduction in the use of motor vehicles due to gasoline and rubber restrictions, also to the fact that the majority of drivers are reconciled to the 40-mile speed limit.

Juvenile Offenders

Our records for the past year show practically no change in the number of juvenile offenders that were before the courts.

In 1943 there were five hundred and ninety-seven (597) prosecutions under this heading, affecting juveniles between the age of ten and sixteen years, whilst during the year now under review, 1944, there were five hundred and eighty-eight (588).

The term "juvenile delinquency" would appear to have been overworked during the past few years by many excellent people who unfortunately do very little to remedy the situation, other than to deplore the fact that it is "delinquent parents" and not the "delinquent children" that are to blame.

Whatever the fault that produces juvenile offenders, the remedy will not be found until parents return to the old and sound policy of good homes and religious training. In this regard and from a police point of view, one of the greatest and progressive steps toward crime reduction and law observance was the recent provision of religious instruction in the Elementary Public Schools of this Province.

Deaths from Accidents, Misadventure, etc.

	1944	1943
Automobile Fatalities	236	285
Drownings	236	208
Suicides	119	96
Other Causes including Air Crashes, Railway Collisions, Fires, etc.	433	407

I refer herewith, briefly, to some of the more serious fatalities investigated:

In 19 Crashes of R.C.A.F. Planes—Persons Killed	19
Drowning in Lake St. Clair	3
Fishing Party Drowned, Algonquin Park	3
Capsizing of Launch Olga, Port Stanley	17
Explosion in Elevator, Midland	6
Engine Explosion on Wabash Railroad	3

Traffic Control and Supervision

Accidents arising from the operation of motor vehicles again show a decrease both in the actual number of accidents and fatalities arising therefrom.

	1944	1943
Total Accidents Reported	4,023	4,142
Persons Killed	236	287
Persons Injured	2,947	2,965
Causing Property Damage	3,952	4,057

Prosecutions for offences under The Highway Traffic Act, Section 285, Criminal Code (traffic offences) and The War Measures Act (40-mile speed limit amendment) show an overall decrease of 1,043 from the corresponding period 1943. This is accounted for by the reduction of motor vehicle traffic on the highways.

PROSECUTIONS

	1944	1943
Highway Traffic Act	4,646	5,208
War Measures Act	1,056	1,400
Criminal Code, Section 285	830	967

The good record built up by the Highway Motor Patrol over a period of years has been well maintained. There has been no fatality or serious accident to any member of the Patrol during the year. By reason of the motor vehicle traffic reductions, restrictions have been placed on useless and unnecessary patrol and the members of the Highway Patrol have consolidated their work with the men doing regular detachment duty, thereby performing general police duty in addition to checking Highway Traffic Act violations.

Gambling

During the year under review the good record established in 1943 by the Anti-Gambling Branch of this Force has been continued. 1,305 investigations were made and 119 search orders executed.

Slot machines numbering 177 have been confiscated, of which 150 machines have been destroyed. The remaining machines are awaiting either the result of appeals or the period pending appeal to elapse.

Fines totalling $25,196.00 have been imposed, and $4,380.83 has been seized in gambling house raids and from slot machines, and forwarded to the convicting magistrates for transmission to the Receiver-General of Canada.

None of the well-known resorts, which operated prior to May 1st, 1942, have, by reason of continual police observation, been able to resume business. The majority of the better known resorts are unoccupied or not operating.

Strikes or Industrial Unrest

The Province has been particularly fortunate by the absence during 1944 of strikes or other industrial trouble. Not one major labour dispute was reported during the year.

For the first time in many years the Ontario Provincial Police were not called upon to provide assistance to Municipal Police to maintain law and order during strikes, a matter for which we can be most thankful.

German Prisoners of War

The number of camps where German prisoners of war are employed in lumbering and other operations in this Province has increased during the year.

Considerable work has been done by members of the Force in rounding up stragglers from the camps who wander away by reason of insufficient supervision, but who have no definite intentions of escaping. Much more time has been spent in connection with those who have a definite plan of escape when they leave the camp.

Reports have been received of prisoners of war who have wandered away into the bush, where they have built themselves shacks and stocked same with sufficient food to enable them to live a considerable time.

.Some alarm has been caused among the residents of some of the smaller centres in Northern Ontario by reason of the prevalence of German prisoners of war wandering at large, without escort or supervision. Applications have been made to this office to have members of this Force stationed at small communities in close proximity to certain camps where prisoners of war are employed, as a means of protection for the residents.

Disbanding of Veteran Guards

In January, 1944, owing to the improved situation of the Allied Armies it was decided to discontinue the employment of Special Constables and Veteran Guards, who had been appointed to provide protection for the Hydro-Electric Power Commission projects, and other vital industries subject to destruction by sabotage or other enemy action.

In April, 1939, when it appeared that war was imminent, members of this Force in collaboration with officials of the Hydro-Electric Power Commission made a survey of all generating and transmission plants in the Province in an endeavour to plan for the protection of such plants in the event of war.

As a result of the survey a plan was prepared which was put into effect upon the outbreak of war. Veteran Guards were sworn in as Special Constables and posted at the most vulnerable points throughout the Province.

By November, 1939, ninety Hydro projects, consisting of Generating Stations, Transmission Stations, Dams and Headwaters were under guard. Between September, 1939, and January, 1944, upwards of twelve hundred men were employed as guards for various periods.

The men employed on this duty were selected by the Veterans' organizations in various centres and were as far as practicable employed in the area in which they resided. During their period of employment on this special duty, these guards, practically without exception, gave most excellent service, often under extremely trying climatic conditions.

At least ninety-five per cent were War Veterans, who felt that in giving their best in protecting these vital points of industry, they were again doing "their bit" for their country.

When the order was given to disband, every effort was made by General Headquarters and District Inspectors to place the men in other positions and I am most pleased to be able to report that we were successful in re-establishing almost ninety-five per cent of these former guards.

Their experience and discipline whilst employed on this Force assisted them considerably in obtaining other employment.

Assistance in Fighting the Venereal Disease Menace

During the past year, the citizens of the Province generally have been roused to the seriousness of the venereal disease menace.

Although the law requires, in common with other infectious diseases, that venereal infection be reported by physicians to health departments, it has been found that civilian physicians have been neglecting this duty.

Conferences have been held in many parts of the Province between the Department of Health, local boards of health and police departments in an endeavour to devise ways and means of fighting this menace, also to keep the seriousness of such infection constantly before the public.

Members of this Force have rendered every assistance in the campaign. Headquarters staff with representation from each District Headquarters have collaborated with the Department of Health officials to assist in fighting the scourge.

Special attention has been paid to the districts in which large military or air force camps are situated. Bawdy houses and brothels were not permitted to operate and "suitcase" prostitutes found in those areas were promptly and efficiently dealt with.

It was found that certain tourist cabin operators and rooming house keepers were renting rooms for suspected prostitution. These, as soon as discovered, were immediately put out of business and when inmates of a suspected place of prostitution were brought before the magistrate they were without exception remanded to gaol for medical examination.

Motor Patrol Escorts

Motor escorts were provided for distinguished persons visiting the Province during the past year, among the most prominent being:

January 18th to 22nd, 1944—Their Royal Highnesses, Crown Prince Olav and Crown Princess Martha of Norway, during their visit to Toronto and the Royal Norwegian Air Force Training Centre, Muskoka.

January 26th, 1944—The late Field Marshal Sir John Dill and Lady Dill during their official visit to the Province, escort provided from Toronto to Ottawa.

April 13th, 1944—The late Colonel Frank Knox, Secretary of the United States Navy, on his visit to Toronto on behalf of the National War Finance Committee.

October 4th, 1944—Funeral of Sir William Mulock, Toronto to Newmarket.

In addition to the above, escorts were provided for numerous convoy movements, visiting industrialists from the United States and Europe and funerals of distinguished personages.

District Inspection

I visited all Districts and a number of separate Detachments during the year, where I reviewed personnel and inspected uniform and office equipment.

I also conferred with judicial officials and leading citizens regarding the work of the Force.

I found the members of the Force to be held in high esteem and law enforcement to be generally satisfactory.

I have also held a number of investigations into complaints of misconduct by members of the Force, and where necessary, recommended certain disciplinary action for your approval.

Reports

The work of the personnel under their District Inspectors and Officers in Charge of Branches has been cheerfully and efficiently carried out and will be found in greater detail in District and Branch reports submitted and filed at this office.

Departmental Motor Transport

On December 31st, 1944, the Force was in possession of the following motor transport:

Patrol Cars	114
Passenger Cars	76
Station Wagon	1

This shows an increase of eight patrol cars and five passenger automobiles over the number of motor vehicles in operation December 31st, 1943.

Patrol cars have now replaced motorcycles for Highway Patrol purposes.

DISTRIBUTION OF MOTOR VEHICULAR EQUIPMENT

	Headquarters	DISTRICTS												Totals
		1	2	3	4	5	6	7	8	9	10	11	12	
Automobile in Use by Regular Force	16	5	3	2	6	2	6	3	8	8	8	4	5	76
Highway Patrol Cars	....	11	13	14	10	12	8	10	11	14	4	2	5	114
Station Wagon	1	....	....	....	....	....	....	....	....	....	....	....	....	1
Totals	17	16	16	16	16	14	14	13	19	22	12	6	10	191

Personnel (Strength)

At midnight, December 31st, 1944, the total strength of all ranks of the Force, including temporary and civilian personnel, was five hundred and thirteen (513), less forty-two (42) members on Active Service with the C.A.S.F., making a total duty strength of four hundred and seventy-one (471).

Duty strength of all Ranks on December 31st, 1943, was six hundred and ninety-five (695). During the year, however, one hundred and eighty-four (184) Veteran Guards and forty-two (42) Special Constables who had been employed in guarding Hydro developments were struck off strength, making a total decrease in our duty strength of two hundred and twenty-four (224).

DISTRIBUTION OF THE FORCE, DECEMBER 31ST, 1944

	Headquarters	Crim. Invest. Branch	L.C.I. Branch	No. 1 District	No. 2 District	No. 3 District	No. 4 District	No. 5 District	No. 6 District	No. 7 District	No. 8 District	No. 9 District	No. 10 District	No. 11 District	No. 12 District	Total Strength
Commissioner	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Deputy Commissioner	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Senior Staff Inspector	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Staff Inspectors	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	3
Chief Inspector, C.I.B.	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Inspectors, C.I.B.	...	8	...	...	...	...	...	...	...	...	...	...	...	...	...	8
District Inspectors	...	...	...	...	1	1	1	1	1	1	1	1	1	1	1	11
Acting District Inspectors	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
Sergeants	1	...	...	1	1	1	2	1	...	1	1	2	2	1	1	15
Acting Sergeants	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1
Sergeants (Patrol)	...	...	...	...	1	1	...	1	...	...	1	1	...	...	...	5
Corporals	2	...	...	1	1	1	2	...	...	1	...	1	1	1	1	12
Provincial Constables	12	2	2	16	19	12	18	33	20	18	17	20	26	16	23	254
Provincial Constables (Patrol)	...	...	...	11	12	14	10	13	8	10	10	13	4	2	5	112
Inspector of Automobiles	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Asst. Inspector of Automobiles	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Chauffeurs	...	...	...	...	1	1	...	...	1	...	...	1	...	...	...	4
Mechanics	4	...	...	...	...	...	...	...	...	...	...	...	...	...	1	5
Garage Attendants	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
Accountants	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Secretary	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Clerks	13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	27
TOTALS	45	13	4	31	37	32	34	50	32	32	31	40	35	22	33	471
On Active Service	5	1	...	4	3	4	...	8	3	1	7	1	3	1	1	42
TOTAL DUTY STRENGTH	50	14	4	35	40	36	34	58	35	33	38	41	38	23	34	513

For the purposes of administration the Province is divided into twelve Districts numbered consecutively one to twelve as follows:

No. 1 District, Headquarters Windsor—
comprising the Counties of Essex and Kent.

No. 2 District, Headquarters London—
comprising the Counties of Lambton, Middlesex, Elgin and Oxford.

No. 3 District, Headquarters Hamilton—
comprising the Counties of Wentworth, Halton, Brant and Norfolk.

No. 4 District, Headquarters Niagara Falls—
comprising the Counties of Haldimand, Lincoln and Welland.

No. 5 District, Headquarters Toronto—
comprising the Counties of York, Peel and Ontario.

No. 6 District, Headquarters Kitchener—
comprising the Counties of Bruce, Perth, Grey, Wellington, Waterloo and Huron.

No. 7 District, Headquarters Barrie—
comprising the Counties of Simcoe and Dufferin, and the Districts of Muskoka and Parry Sound.

No. 8 District, Headquarters Belleville—
comprising the Counties of Victoria, Haliburton, Peterborough, Northumberland and Durham, Hastings, Lennox and Addington, Prince Edward and Frontenac.

No. 9 District, Headquarters Perth—
comprising the Counties of Renfrew, Lanark, Dundas, Carleton, Grenville, Russell, Prescott, Stormont, Glengarry and Leeds.

No. 10 District, Headquarters Haileybury—
comprising the Districts of Temiskaming, Cochrane, Nipissing and a portion of Algoma.

No. 11 District, Headquarters Sudbury—
comprising the Districts of Sudbury, Manitoulin Island and a portion of Algoma.

No. 12 District, Headquarters Port Arthur—
comprising the Districts of Kenora, Rainy River, Thunder Bay and Patricia.

LOCATION OF MEMBERS OF FORCE

Station or Detachment	Officers	Sergeants	Corporals	Provincial Constables	Provincial Constables H.P.	Chauffeurs, Mechanics and Clerks
Headquarters:						
Toronto	15	1	2	12	....	26
No. 1 District:						
Windsor Headquarters	1	1	....	10	1	1
Amherstburg	....	....	....	....	1	....
Leamington	....	....	....	1	1	....
Belle River	....	....	....	1	1	....
Kingsville	....	....	....	....	1	....
Blenheim	....	....	....	....	1	....
Dresden	....	....	....	....	1	....
Wallaceburg	....	....	....	1	1	....
Chatham	....	....	1	1	1	....
Tilbury	....	....	....	1	1	....
Essex	....	....	....	....	1	....
No. 2 District:						
London Headquarters	1	2	....	10	2	2
Strathroy	....	....	....	1	1	....
Sarnia	....	....	....	2	1	....
St. Thomas	....	....	1	2	1	....
Woodstock	....	....	....	1	1	....
Ingersoll	....	....	....	....	1	....
Forest	....	....	....	....	1	....
Appin	....	....	....	1	....	....
Tillsonburg	....	....	....	1	1	....
Petrolia	....	....	....	1	....	....
Wardsville	....	....	....	....	1	....
No. 3 District:						
Hamilton Hqrs	1	2	....	7	1	2
Brantford	....	....	1	2	1	....
Simcoe	....	....	....	1	1	....
Paris	....	....	....	....	1	....
Milton	....	....	....	1	....	....
Waterdown	....	....	....	....	1	....
Dundas	....	....	....	....	2	....
Oakville	....	....	....	....	2	....
Burlington	....	....	....	....	2	....
Delhi	....	....	....	1	....	....
Stoney Creek	....	....	....	....	2	....
Acton	....	....	....	....	1	....

LOCATION OF MEMBERS OF FORCE—Continued

Station or Detachment	Officers	Sergeants	Corporals	Provincial Constables	Provincial Constables H.P.	Chauffeurs, Mechanics and Clerks
No. 4 District:						
Niagara Falls Hqrs.	1	2		10	3	1
Ridgeway				2	1	
Welland			1	3	1	
Cayuga				2		
St. Catharines			1	4	1	
Grimsby					1	
Hagersville					1	
Dunnville					1	
Smithville					1	
No. 5 District:						
Toronto Headquarters	1	2		25	1	1
Brampton				2	1	
Cooksville					1	
Oshawa				1		
Whitby				2	1	
Mimico					1	
Bolton				1		
Aurora					1	
Richmond Hill					1	
Islington					1	
Port Credit					1	
Birchcliffe					2	
Willowdale					1	
Scarboro Bluffs					1	
No. 6 District:						
Kitchener Hqrs.	1	1		6	1	2
Walkerton				1	1	
Wiarton				1		
Goderich				2	1	
Stratford				1	1	
Listowel				1		
Guelph				1	1	
Flesherton				1		
Owen Sound				2	1	
Mitchell				1		
Arthur				1	1	
Galt				1		
Clinton					1	
No. 7 District:						
Barrie Headquarters	1	1		5	2	1
Alliston				2		
Midland				1	1	
Orillia				1	1	
Collingwood				1	1	
Orangeville				1	1	
Bracebridge				1		
Huntsville					1	
Gravenhurst				1	1	
Parry Sound			1	1	1	
Burks Falls				1		
Bradford					1	
Elmvale				1		
Bala				1		
No. 8 District:						
Belleville Hqrs.	1	2		4	2	1
Madoc				1		
Lindsay				1	1	
Peterborough				1	1	
Cobourg				1		
Bowmanville				1	1	

LOCATION OF MEMBERS OF FORCE—Continued

Station or Detachment	Officers	Sergeants	Corporals	Provincial Constables	Provincial Constables H.P.	Chauffeurs, Mechanics and Clerks
No. 8 District—*Con.*						
Campbellford	....	....	....	1	....	....
Napanee	....	....	....	1	1	....
Colborne	....	....	....	....	1	....
Kingston	....	....	....	2	2	....
Bancroft	....	....	....	1	....	....
No. 9 District:						
Perth Headquarters	1	2	....	3	....	2
Rockland	....	....	....	1	1	....
Cornwall	....	....	....	2	1	....
Morrisburg	....	....	....	1	1	....
Renfrew	....	....	....	1	....	....
Pembroke	....	....	1	1	1	....
Smiths Falls	....	....	....	....	1	....
Ottawa	....	1	....	4	....	....
Brockville	....	....	....	1	1	....
Prescott	....	....	....	....	1	....
Hawkesbury	....	....	....	1	1	....
L'Orignal	....	....	....	1	....	....
Alexandria	....	....	....	1	....	....
Arnprior	....	....	....	....	1	....
Gananoque	....	....	....	1	1	....
Britannia Heights	....	....	....	....	1	....
Barry's Bay	....	....	....	1	....	....
Carleton Place	....	....	....	....	1	....
Manotick	....	....	....	....	1	....
No. 10 District:						
Haileybury Hqrs	1	1	....	3	1	1
Iroquois Falls	....	....	....	1	....	....
Matheson	....	....	....	1	....	....
Elk Lake	....	....	....	1	....	....
Timmins	....	1	....	3	1	....
Kirkland Lake	....	....	....	2	....	....
Larder Lake	....	....	....	1	....	....
Kapuskasing	....	....	....	2	....	....
Englehart	....	....	....	1	....	....
North Bay	....	....	1	1	2	....
Sturgeon Falls	....	....	....	1	....	....
Mattawa	....	....	....	1	....	....
Temagami	....	....	....	2	....	....
Cochrane	....	....	....	3	....	....
Hearst	....	....	....	1	....	....
Powassan	....	....	....	1	....	....
Matachewan	....	....	....	1	....	....
No. 11 District:						
Sudbury Headquarters	1	1	....	7	1	1
Warren	....	....	....	1	....	....
Foleyet	....	....	....	1	....	....
Little Current	....	....	....	1	....	....
Sault Ste. Marie	....	....	1	....	2	....
Blind River	....	....	....	1	....	....
Chapleau	....	....	....	1	....	....
Bruce Mines	....	....	....	1	....	....
WaWa	....	....	....	1	....	....
Espanola	....	....	....	1	....	....
No. 12 District:						
Port Arthur Hqrs	1	1	....	5	1	2
Fort William	....	....	....	1	1	....
Nipigon	....	....	....	1	....	....
Nakina	....	....	....	1	....	....
Kenora	....	....	1	1	1	....

LOCATION OF MEMBERS OF FORCE—Continued

Station or Detachment	Officers	Sergeants	Corporals	Provincial Constables	Provincial Constables H.P.	Chauffeurs, Mechanics and Clerks
No. 12 District—*Con.*						
Sioux Lookout	....	....	....	2	....	....
Dryden	....	....	....	1	....	....
Fort Frances	....	....	....	2	....	....
Rainy River	....	....	....	1	....	....
Red Lake	....	....	....	2	....	....
Geraldton	....	....	....	1	....	....
Central Patricia	....	....	....	1	....	....
Ignace	....	....	....	....	1	....
Emo	....	....	....	....	1	....
Schreiber	....	....	....	1	....	....
Favourable Lake	....	....	....	1	....	....

CHANGE IN PERSONNEL

Promotions:

December 1st, 1943—Provincial Constable W. G. Tomlinson, Toronto, promoted to Corporal.
December 1st, 1943—Acting Inspector Ward H. Kennedy, C.I.B., promoted to Inspector.
January 1st, 1944—Acting District Inspector H. Storey, Belleville, promoted to District Inspector.
January 1st, 1944—E. Hales, Acting Inspector of Automobiles, General Headquarters Garage, Toronto, promoted to Inspector of Automobiles.
January 1st, 1944—Chauffeur C. R. Armstrong, General Headquarters Garage, Toronto, promoted to Assistant Inspector of Automobiles.
April 1st, 1944—Provincial Constable A. R. MacLeod, Cornwall, promoted to Corporal.
April 1st, 1944—Corporal E. V. McNeill, Pembroke, promoted to Sergeant.
May 1st, 1944—Corporal F. C. Kelly, St. Thomas, promoted to Acting Inspector, C.I.B.
June 1st, 1944—Provincial Constable F. Scott, Chatham, promoted to Corporal.
June 1st, 1944—Provincial Constable L. S. Hardwick, Powassan, promoted to Corporal.
Novenber 1st, 1944—Acting Inspector F. C. Kelly to Inspector, C.I.B.

Resignations

February 12th, 1944—Provincial Constable R. L. Jackson, Carleton Place.
February 29th, 1944—Provincial Constable F. C. Christie, Port Arthur.
April 30th, 1944—Provincial Constable J. H. Hanlan, Sault Ste. Marie.
May 14th, 1944—Provincial Constable R. S. Patterson, Hawkesbury.
May 15th, 1944—Sergeant T. H. Owens, Toronto.
May 31st, 1944—Provincial Constable G. A. Hughes, Cornwall.
May 31st, 1944—Provincial Constable W. R. Caverly, Kitchener.
May 31st, 1944—Provincial Constable W. B. Elliott, Gravenhurst.
June 30th, 1944—Provincial Constable W. McCallum, Toronto.
July 31st, 1944—Provincial Constable B. G. Walsh, Kapuskasing.
August 8th, 1944—Provincial Constable F. Foden, Niagara Falls.
September 30th, 1944—Provincial Constable J. R. Mackey, Belleville.
October 31st, 1944—Provincial Constable E. P. Porter (Probationary), Port Arthur.

Dismissals

January 25th, 1944—Sergeant R. P. Labelle, Ottawa.
February 5th, 1944—Provincial Constable M. J. Scanlon, Perth.
February 9th, 1944—Provincial Constable A. Gilmour, Highway Patrol, Hawkesbury.
April 28th, 1944—Provincial Constable W. F. Thompson, Bowmanville.

APPOINTMENTS

Provincial Constables	63

RESIGNATIONS

Sergeants	1
Provincial Constables	12

Dismissals

Sergeants	1
Provincial Constables	3

Returned from Active Service

Provincial Constable W. E. Smith, Belleville, January 1st, 1944.
Provincial Constable G. Hughes, Cornwall, January 4th, 1944.
Provincial Constable R. Caverly, Kitchener, January 5th, 1944.
Provincial Constable G. V. Clubbe, London, May 10th, 1944.
Provincial Constable E. W. Corcoran, Owen Sound, June 5th, 1944.
Provincial Constable I. R. Robbie, Kitchener, July 5th, 1944.
Provincial Constable T. A. Houldcroft, Kapuskasing, December 12th, 1944.
Provincial Constable R. G. France, Toronto, December 15th, 1944.

ENLISTMENTS

The following members of the Force are still on Leave of Absence for War Services:

Adair, D.	Provincial Constable	Sept. 15, 1943	R.C.N.V.R.
Andrews, A. S.	Provincial Constable	Aug. 6, 1943	R.C.N.V.R.
Barker, F. L.	Provincial Constable	July 15, 1942	C.A.S.F.
Batt, S. G.	Provincial Constable	Aug. 6, 1943	R.C.N.V.R.
Boyd, W. H.	Inspector of Automobiles	Nov. 6, 1939	R.C.A.F.
Broughton, G. E.	Provincial Constable	Aug. 21, 1943	R.C.N.V.R.
Bruce, M. A.	Provincial Constable	Nov. 3, 1943	R.C.N.V.R.
Callaghan, E. S.	Provincial Constable	Oct. 14, 1941	C.A.S.F.
Callander, J. W.	Provincial Constable	Oct. 11, 1940	C.A.S.F.
Campbell, A.	Provincial Constable	July 15, 1942	R.C.A.F.
Campbell, D. G.	Provincial Constable	Mar. 3, 1941	C.A.S.F.
Carr, L. C.	Provincial Constable	May 6, 1940	R.C.A.F.
Coffey, V. P.	Provincial Constable	Nov. 30, 1942	R.C.A.F.
Creasy, F. B.	District Inspector	Mar. 19, 1940	C.A.S.F.
Crosson, J. D.	Provincial Constable	Aug. 27, 1940	C.A.S.F.
Davis, R.	Clerk	Nov. 10, 1941	R.C.A.F.
Ervine, S.	Provincial Constable	July 3, 1940	C.A.S.F.
Finger, H. O.	Corporal	Oct. 15, 1943	C.A.S.F.
Gilling, W.	Provincial Constable	May 30, 1940	C.A.S.F.
Grant, P. J.	Provincial Constable	May 24, 1941	R.C.A.F.
Hanson, J.	Provincial Constable	Nov. 17, 1941	R.C.A.F.
Johnston, J. E.	Provincial Constable	Aug. 2, 1943	R.C.N.V.R.
Johnson, R. E.	Provincial Constable	June 20, 1940	C.A.S.F.
Kennedy, W. A.	Provincial Constable	June 1, 1940	C.A.S.F.
Long, G.	Clerk	May 15, 1942	R.C.A.F.
Marsland, W.	Provincial Constable	Aug. 14, 1942	C.A.S.F.
Mason, A. M.	Provincial Constable	June 24, 1940	R.C.A.F.
McCarthy, C. P.	Clerk	Sept. 19, 1939	C.A.S.F.
MacGillivray, L. M.	Provincial Constable	Sept. 8, 1943	R.C.N.V.R.
MacLean, J. F.	Provincial Constable	Mar. 3, 1941	C.A.S.F.
McColl, A.	Provincial Constable	Sept. 11, 1940	British Government
McMillan, J. G.	Provincial Constable	Sept. 12, 1942	C.A.S.F.
O'Neill, H.	Clerk	Oct. 11, 1943	R.C.A.F.
Raymer, R. E.	Provincial Constable	June 20, 1940	R.C.A.F.
Rhodes, W.	Accountant	Oct. 23, 1942	R.C.A.F.
Rogers, J. A.	Provincial Constable	Aug. 3, 1941	C.A.S.F.
Scherer, V. L.	Provincial Constable	July 16, 1942	R.C.A.F.
Sheff, J. B.	Provincial Constable	June 7, 1940	C.A.S.F.
Shipley, L. L.	Provincial Constable	Aug. 7, 1940	C.A.S.F.
Stark, A. A.	Provincial Constable	Oct. 9, 1939	R.C.A.F.
Stringer, J. A.	Sergeant	Dec. 22, 1943	R.C.N.V.R.
Swan, A.	Clerk	May 6, 1940	C.A.S.F.
Taggart, R. J.	Provincial Constable	Aug. 31, 1940	C.A.S.F.
West, L. E.	Provincial Constable	Aug. 12, 1942	R.C.A.F.
Wright, E. F.	Provincial Constable	Mar. 5, 1943	C.A.S.F.

Enlistments—1944

Blenkin, J. F.	Provincial Constable	Mar. 4, 1944	R.C.N.V.R.
Craig, J.	Provincial Constable	Jan. 21, 1944	R.C.N.V.R.
Spofford, R. J.	Provincial Constable	Feb. 11, 1944	R.C.N.V.R.

Commendations

The following members of the Force were commended in Police Orders for outstanding service:

Provincial Constable J. R. Pollard, Port Hope Detachment.
Provincial Constable J. F. Blenkin, Willowdale Detachment.
Sergeant T. Wilkinson, Anti-Gambling Squad, Headquarters, Toronto.
Corporal W. G. Tomlinson, Anti-Gambling Squad, Headquarters, Toronto.
Provincial Constable C. Von Zuben, Anti-Gambling Squad, Headquarters, Toronto.
Provincial Constable J. E. Downs, Anti-Gambling Squad, Headquarters, Toronto.
Provincial Constable W. W. Bibby, Anti-Gambling Squad, Headquarters, Toronto.
Provincial Constable A. K. Collins, Anti-Gambling Squad, Headquarters, Toronto.
Provincial Constable J. F. Cronin, Anti-Gambling Squad, Headquarters, Toronto.
Provincial Constable L. Ptolemy, Petrolia Detachment.
Provincial Constable W. J. Carmichael, Appin Detachment.
Provincial Constable H. Ramsbottom, Amherstburg Detachment.
Provincial Constable F. C. Thurston, Leamington Detachment.
Provincial Constable W. T. Gilbert, Amherstburg Detachment.
Patrol Sergeant S. Hunter, Perth Headquarters.
Provincial Constable R. A. Adie, Alexandria Detachment.
Corporal C. W. Farrow, Brantford Detachment.
Provincial Constable R. Reynolds, Brantford Detachment.
Provincial Constable C. Tremnor, Brantford Detachment.
Provincial Constable J. Bartlett, No. 5 District Headquarters, Toronto.
Provincial Constable A. M. Shaughnessy, No. 5 District Headquarters, Toronto.
Inspector George Mackay, C.I.B., Toronto.
Sergeant W. D. Duncan, No. 1 District Headquarters, Windsor.
Provincial Constable L. Neil, No. 1 District Headquarters, Windsor.
Provincial Constable D. J. Brennan, Gananoque Detachment (2).
Provincial Constable L. T. Keeler, Brockville Detachment.
Provincial Constable J. R. Brown, Owen Sound Detachment.
District Inspector H. Storey, No. 8 District Headquarters, Belleville.
Provincial Constable D. P. Morris, Peterborough Detachment.
Provincial Constable L. A. McClure, Peterborough Detachment.
Provincial Constable W. S. Cluff, Kitchener District Headquarters.
Provincial Constable F. C. Peer, Kitchener District Headquarters.
Inspector E. C. Gurnett, C.I.B., Toronto.
Sergeant D. H. Darby, No. 3 District Headquarters, Hamilton.
Provincial Constable R. Reynolds, Brantford Detachment (2).
Provincial Constable E. Rose, Brantford Detachment.
Provincial Constable R. Mason, Acton Detachment.
Provincial Constable D. H. Porter, North Bay Detachment.
Provincial Constable J. L. Needham, North Bay Detachment.
Provincial Constable M. R. Hodgson, Brampton Detachment.
Provincial Constable R. A. Hewat, Brampton Detachment.
Provincial Constable T. W. Griffin, Hearst Detachment.
Provincial Constable F. Fox, Goderich Detachment.
Provincial Constable W. L. Gardner, Goderich Detachment.
Sergeant D. Hamilton, No. 7 District Headquarters, Barrie (2).
Provincial Constable W. A. T. Robinson, No. 7 District Headquarters, Barrie
Provincial Constable L. G. Hockridge, No. 7 District Headquarters, Barrie.
Provincial Constable P. J. Poland, No. 7 District Headquarters, Barrie.
Provincial Constable H. V. Allsopp, Alliston Detachment.
Provincial Constable E. A. Hicks, Alliston Detachment.
Provincial Constable T. H. Trimble, Ottawa Detachment (2).
Provincial Constable J. McBain, Ottawa Detachment.
Provincial Constable J. E. Soubliere, No. 8 District Headquarters, Belleville.
Provincial Constable R. F. Gibson, Tilbury Detachment.
Provincial Constable B. Mulholland, Tilbury Detachment.
Provincial Constable H. J. Tinson, Belle River Detachment.
Sergeant H. Braney, Schumacher Detachment.
Provincial Constable J. P. LaPerriere, Schumacher Detachment.
Provincial Constable S. Timmerman, Cochrane Detachment.
Provincial Constable A. J. Pearce, Kapuskasing Detachment.
Provincial Constable R. E. Penner, Temagami Detachment.
Provincial Constable H. Caldwell, No. 8 District Headquarters, Belleville.
Sergeant H. E. Thompson, No. 3 District Headquarters, Hamilton.
Provincial Constable L. R. Taylor, No. 3 District Headquarters, Hamilton.
Sergeant E. V. McNeill, Ottawa Detachment.
Provincial Constable D. A. Nicol, Ottawa Detachment.

Chief Inspector A. Ward, C.I.B., Toronto.
Inspector F. C. Kelly, C.I.B., Toronto.
Sergeant T. G. Corsie, No. 12 District Headquarters, Port Arthur.
Provincial Constable D. J. Jordon, Kenora Detachment.
Provincial Constable W. A. Parfitt, Fort Frances Detachment.
Provincial Constable L. A. Savage, Fort Frances Detachment.
Provincial Constable L. M. West, Atikokan Detachment.
Corporal M. W. Erickson, Kenora Detachment.
Provincial Constable A. Eady, Dryden Detachment.
Provincial Constable L. A. Heaney, Sioux Lookout Detachment.
Provincial Constable A. Gaudry, Red Lake Detachment.
Provincial Constable E. G. Hope, No. 4 District Headquarters, Niagara Falls.
Provincial Constable R. Pope, No. 4 District Headquarters, Niagara Falls (2).
Provincial Constable G. V. Clubbe, No. 2 District Headquarters, London.
Provincial Constable J. H. Fulton, Strathroy Detachment.
Provincial Constable J. L. Whitty, Cornwall Detachment.
Provincial Constable R. A. Adie, Alexandria Detachment.
Provincial Constable E. A. Hoath, Ridgeway Detachment.

Transfers

In the interest of law enforcement and to maintain the efficiency of this Force it has been found necessary to make a number of transfers in several Districts. This is in keeping with the policy of moving men when there is evidence that for some reason their usefulness is being impaired at their present post.

Health of the Force

I am pleased to report that no deaths or serious injury has been recorded in connection with any member of the Force, either on regular duty in this Province or amongst those serving with the several Active Service Forces. The general health of the Force has also been particularly good throughout the year.

Superannuation

Chief Inspector Frank E. Elliott was on July 16th, 1944, retired to superannuation after serving the Province for twenty-eight years in various capacities in connection with liquor law enforcement.

Chief Inspector Elliott was appointed under the Ontario Temperance Act, December 7th, 1916, as License Inspector for the County of Perth, with headquarters at Stratford.

During the height of the rum-running days at Windsor and along the Detroit, St. Clair and Niagara Rivers, Mr. Elliott was promoted to Provincial Inspector with full charge of enforcement of The Ontario Temperance Act in Central and Western Ontario. Those were strenuous days.

In 1923 he was transferred to General Headquarters, Toronto, and placed in charge of liquor law enforcement throughout the Province.

In February, 1929, he was appointed Chief Inspector of the Liquor Control Investigation Branch, which position he held at the time of his retirement, after twenty-eight years of faithful service during which time he gained and held the respect of his fellow officers of all ranks.

Communications

We are still operating under a disadvantage in that we have no up-to-date system of communication, and must rely on the telephone, telegraph and mail to communicate with the personnel throughout the Province.

Only four service automobiles, stationed at Kirkland Lake, Windsor and Ottawa, are equipped with radio and hooked up with the local police radio system.

The members of the Force are often greatly handicapped through the lack of an up-to-date radio and teletype system of communication. This has been particularly in evidence during the war years, when we have had to depend solely on an already over-worked telephone and telegraph system, which does not give direct contact with our highway patrol and other transport vehicles engaged in law enforcement duties.

We cannot at the present time effectively blanket any specified area when an outbreak of crime, such as bank or safe robberies or payroll holdups take place. The criminals by the fastest method of transportation, operating on good highways, can be many miles away before we can communicate with our detachments and patrols.

All responsible police authorities are of the opinion that a crime wave of serious dimensions can be expected following the cessation of hostilities and many are preparing for it by improving their system of communication.

I am definitely of the opinion that this Force should have installed as soon after the war as practicable the most modern radio (FM) and teletypewriter equipment procurable. Remarkable developments have been achieved recently in the radio field by technicians which would undoubtedly leave present radio installations obsolete. At the close of the war we should have available for police services a system of communication which will surpass anything heretofore thought of.

Disbandment of The Ontario Volunteer Constabulary

On February 15th, 1944, the Ontario Volunteer Constabulary, which had for more than three years functioned as an "auxiliary" of the Ontario Provincial Police, was disbanded, it being considered that the favourable trend of the war made their further services unnecessary.

This organization was formed in September 1940 with the following objects in view:

(*a*) To provide a highly trained, disciplined mobile body of men available for the prevention of crime and for the maintenance of internal security.

(*b*) To assist the Ontario Provincial Police Force and co-operate with other law enforcement officers when instructed by the Commissioner of Police for Ontario.

(*c*) To protect life and property from any form of attack and sabotage.

(*d*) To combat subversive activities.

(*e*) To assist air raid precaution organizations and their activities.

Wherever branches of this force were formed in the Province, they were under the command and jurisdiction of the District Inspectors of the regular Ontario Provincial Police Force having control of the District.

From the inauguration of the Force until its disbandment, the services rendered by this unit were exceedingly valuable to law enforcement bodies throughout the Province, particularly so in connection with highway traffic offences, also during blackouts and other events where the handling of large bodies of the public was necessary.

All members gave their services voluntarily, unstintedly and often at some expense to themselves, and while in training functioned smoothly as an auxiliary law enforcement body during the critical days of the war.

Each member of the unit serving at the time of its disbandment was presented with a recognition of "service rendered" in the form of the following certificate:

(Crest)

CERTIFICATE OF SERVICE

Ontario Volunteer Constabulary
Auxiliary of Ontario Provincial Police

THE GOVERNMENT OF THE PROVINCE OF ONTARIO

acknowledges with sincere appreciation
the services rendered by

From........................ To.........................
and bears testimony to the zeal and ability with which he discharged his duty to the public of the Province of Ontario during his term of Service.

....
Commissioner of Police for Ontario.

Ontario Provincial and Municipal Police Training School

Two sessions of the Ontario Provincial and Municipal Police Training School were held at Toronto during 1944.

The first session from March 6th to April 22nd and the second from October 23rd to December 2nd.

The Spring session was attended by thirty-three members from the following police forces—Toronto, Brockville, Swansea, Belleville and Forest Hill Municipal Police and twelve members of the Ontario Provincial Police.

The Fall session was attended by thirty-seven members of the following police forces—Toronto, Weston, North Bay, Peterborough, York Township, Timmins and twelve members of the Ontario Provincial Police.

The curriculum of this school includes the study of Criminal Law, Dominion and Provincial Statutes, Evidence and Procedure, Traffic Accident Investigation, Chemistry in Crime Investigation, Identification of Firearms, Investigation of Fatalities and Presentation of Evidence at Inquests, Juvenile Delinquency, Disorderly House (Planning of Raids, Preparation of Cases, Court Procedure), Identification, Fingerprints and Footprints, Illegal Traffic in Gold, High Grade Ore, Criminal Investigation in General, Extradition, Police Procedure in General, Composition and Compilation of Reports, Sabotage Prevention, Air Raid Precaution Schemes, Handling of Bombs and High Explosives, Defence of Canada Regulations and General Educational Subjects.

REGISTRATION OF FIREARMS AND PERMITS FOR OFFENSIVE WEAPONS AND FOR PURCHASE OF EXPLOSIVES

This Branch continues to function at Headquarters in much the same manner as heretofore and the Staff Inspector in Charge and his staff are kept busy in dealing with the many and varied enquiries received from other police forces and the general public.

Contrary to the view of a large percentage of the public, the registration of revolvers and pistols and the requirements of the law regarding the issue of permits for the transfer and carrying of this type of weapon is not just "red tape" but is a part of the overall plan for improved law enforcement. It also is of very definite assistance to the public in tracing lost and stolen firearms and in many cases in the solving of crimes of violence, etc.

To quote one example: A member of the R.C.N.V.R. stationed in Newfoundland returned to Ontario on leave and brought with him a revolver which he said he had purchased from an American merchant seaman at St. Johns, Newfoundland. He presented it to the Chief Constable of the Police Department at his home city, who refused to register it until he had communicated with this Branch. Upon receipt of the description of this weapon a routine check was made and the R.C.M.P. at Ottawa advised us that they had a record of the registration of an identical weapon in the name of a Merchant Marine Captain residing in this Province.

Our District Inspector in charge of the area where this man resided had an investigation made and it was learned that the revolver had been stolen from the Captain's ship when at Trinidad, British West Indies, some two or three years ago. Result: Revolver owned in Ontario, stolen from owner in British West Indies and, after travelling over many miles of ocean, came to life in Newfoundland, returned to Ontario and was recovered for its owner.

This is only one of the many cases that could be quoted.

During the calendar year 1944, 492 new permits to carry revolvers or pistols were issued. A great number of these were to members of the staff of banks and employees of large corporations for protection of payrolls, securities, etc., and to members of approved shooting clubs for target practice.

Individual Permits totalling 927 for the transfer of revolvers and pistols were issued during the year, many of them to members of the Armed Forces and to members of revolver clubs. No new Vendors' Permits were issued during the year but many of the old ones were renewed.

Permits being valid only for the calendar year, there is a considerably increased tempo noted in the work of this Branch in the first few months of the year in the renewal of permits, because, before renewal is made, a thorough review is necessary.

It will be noted that fewer permits were issued than in 1943, but in spite of this the correspondence has increased—4,263 letters were sent from this Branch during 1944 as against 3,936 in 1943.

As stated in previous reports the work of this Branch cannot be computed in statistics alone. All through the year there is a constant stream of visitors to the office for information regarding the various phases of the law and its application to individual cases, together with a continuous series of telephone enquiries.

It is well understood that a cold, rigid enforcement in the strict letter of the law in connection with this matter would, in many cases, not be in the interest of good law enforcement, and the administration of this portion of the criminal law is therefore undertaken in a common sense way, with a view to assisting the public in the better understanding and observance of the requirements. In this connection, the Staff Inspector in charge continues to address service clubs and other organizations from time to time explaining the law and the measures taken for its observance and enforcement.

The registration of rifles and shot guns and the issuing of permits for the transfer of such weapons (under the provisions of the Defence of Canada Regulations) in the Province of Ontario continues and while the volume of work in this connection has decreased somewhat during the past year, due to a great extent to the scarcity of new weapons of this type, there is still a lot of time taken up in this phase of the work.

Since the inception of the D.O.C. Regulation (September, 1940) 188,000 permit forms have been distributed to issuers from this office and the greater percentage have been issued. The triplicate copies of these permits are all filed at these Headquarters.

During the year, considerable assistance has been given to the Explosives Division, Dominion Department of Mines and Resources, in the issuance of permits for individual purchases of explosives for industrial purposes.

Forest Fires Prevention Act

Owing to a particularly dry fall, conditions were most favourable to bush fires. In the Sudbury district especially, these fires caused considerable loss to standing timber, and there was a definite increase in prosecutions arising from investigations into the causes of such fires.

As a result of the work of the officers of the Sudbury District, there were thirty-four prosecutions entered resulting in twenty-nine convictions, an increase of thirty-three over the preceding year. Several prosecutions resulted from persons refusing to assist in fighting fires, and others from setting out fires with a view to creating employment.

Three of the offenders for setting fires were youths of seventeen years. They were convicted and fined one hundred dollars and costs each.

The continued campaign of publicity by the Ontario Forestry Branch to educate the public to the danger and serious financial loss which results from forest fires caused by carelessness or design, is favourably commented on by the District Inspector reporting.

Cruelty to Animals

Thirty-seven (37) prosecutions were entered against persons for various forms of cruelty to animals during the year.

Many complaints were received from private persons and through the officials of the Ontario Society for the Prevention of Cruelty to Animals reporting neglect and cruelty to cattle, horses and dogs by leaving them without shelter or sufficient food and water. Complaints were also received regarding the working of horses in unfit condition at lumber camps and in certain riding schools at summer resorts. Many complaints were found to be justified whilst others were found to be petty and without foundation in fact.

In some instances it was found that the owner of the cattle had been unable to obtain sufficient food for his stock by reason of his property being snowbound. In all cases where wanton neglect or cruelty was found, appropriate action was taken.

Game and Fisheries Act

Members of this Department continue to co-operate with officials of the Department of Game and Fisheries and rendered assistance in the investigation of complaints regarding violations of the Act and where necessary, special patrols were sent out in connection with reports of illicit fur buying and having furs out of season.

One case which deserves particular mention is that of Harry Yanover, of Belleville, who is notorious as a poacher and illegal fur buyer.

On June 29th, 1944, the Provincial Constable at Barry's Bay Detachment received information that Yanover had recently closed an illegal deal in furs. As a result of his enquiries, the officer obtained sufficient evidence to enable him to proceed against Yanover, who was charged in the Magistrate's Court with being in the illegal possession of beaver pelts and otter skins of a value over twelve hundred dollars. Yanover was convicted and fined $1,100.00 or six months imprisonment in default.

During the open season for pheasants, special patrols were inaugurated in all designated areas. Practically no breaches of the Act were reported.

Monies collected and forwarded to the Department Headquarters, Toronto, through District Headquarters, London, totalled $1,665.90, made up as follows:

276 Gun Licenses	$ 234.60
120 Ground Hog Licenses	120.00
34 Trappers Licenses	153.00
78 Deer Licenses	273.00
2 Camp Deer Licenses	7.00
3 Dog Licenses	5.55
2 Non-Resident Deer Licenses	50.00
3 Non-Resident Angling Licenses	15.00
2 Non-Resident Angling Licenses (Family)	15.00
1 Non-Resident Angling License (3-day)	1.85
Royalties Collected on Furs	745.90
3 Non-Resident Small Game Licenses	45.00
Total	$1,665.90

Fur farmers and fur dealers have visited detachments seeking information regarding affidavits and Tanners and Export Permits.

ACCIDENTAL DEATHS OR DEATHS FROM MISADVENTURE

Capsizing of Pleasure Boat "Olga", Port Stanley, County of Elgin

On June 5th, 1944, the pleasure launch "Olga", partly owned and operated by Ted Vining, London, Ontario, capsized and sank in Lake Erie about one mile from Port Stanley. There were thirty persons aboard at the time of the disaster, seventeen of whom were drowned and thirteen saved

The cause was attributed to the launch having been overloaded. The passengers became panicky, by reason of the high sea running, causing them all to crowd to one side of the launch, thereby capsizing same.

The bodies of all except one of those drowned were recovered after many days searching.

The Federal Department of Transport, Ottawa, ordered an enquiry which was held before Mr. Justice Barlow at London, where eighteen witnesses were heard in an endeavour to ascertain the cause of the disaster.

At the enquiry it was pointed out that Vining, the operator, did not have a Master's or Engineer's Certificate, further that the boat was not licensed, and that if it had been licensed it should have been for only eighteen persons, whereas it was carrying thirty.

It was further pointed out that there was not sufficient, or an efficient crew, also that there was not adequate life-saving equipment and what there was, was in poor state of repair. Finally that even if the boat was stable under ordinary conditions, Vining made it unstable by allowing passengers to the extent of approximately 1,550 pounds to be on the roof of the cabin.

A charge of "manslaughter" was preferred against the co-owner, Vining, who was brought to trial before Mr. Justice MacFarlane and Jury at Toronto, December 27th, 1944, when a verdict of "not guilty" was returned.

Elevator Explosion and Fire, Midland, Simcoe County

On July 8th, 1944, an explosion followed by a fire occurred at an elevator owned by the Aberdeen Elevator Company, Midland.

Members of the Force were detailed to assist the Fire Marshal in making an investigation as to the cause. It was found that the explosion had been set off in No. 1 Elevator, caused by an accumulation of dust by workmen engaged in cleaning up operations.

The explosion caused the death of six men. Two were killed at the time and four others died as a result of injuries received.

Explosion of Engine on Wabash Railway, Cayuga, Haldimand County

On May 15th, 1944, an explosion occurred on an engine drawing a train on the Wabash Railway near Cayuga, in which three men were killed, namely Sherman Robinson, John Pickering and Wesley Irwin. The matter was investigated by our Cayuga Detachment.

On May 31st, 1944, an inquest was held and the Coroner's Jury returned a verdict to the effect that "death was caused by the boiler exploding on account of the water being too low in the boiler, for reasons unknown."

Drowning—Lake St. Clair, Ontario

Fishing through the ice is a common winter sport and means of livelihood in many parts of Ontario. The fishermen erect a shanty upon the ice. In some cases these are quite a distance from shore.

On Friday, January 14th, 1944, Mr. Fred Parent, age 63, Walter Mineau, age 28, and his small son, Gerald, age 7, left their home at Stoney Point to go to their fishing shack on Lake St. Clair. They were driving over the ice in an automobile.

On their failure to return home that evening their absence was reported to our Belle River Detachment. A search was commenced and the men not being found at their fishing shanty, searching parties were organized. The search continued all night until it had to be abandoned by reason of heavy fog settling over the area. When the fog lifted, the search continued, and at about 1.45 p.m., January 15th, in an open spot in the ice, a bag of fish was discovered and oily patches on the water were seen.

After dragging this area, an automobile was located and when brought to the surface, contained the body of the boy, Gerald Mineau. The other two bodies were later recovered in close proximity to where the automobile went through the ice. The men had apparently attempted to escape through the car windows but had succumbed before reaching the surface.

MISSING PERSONS

Many requests for assistance from this Force to locate missing persons have been received, especially during the hunting season when it is a yearly occurrence for this Force to have to *hunt* for people lost in the bush.

The following cases are worthy of special mention:

George McFadden, Cardinal

On May 27th, 1944, it was reported to our Prescott Detachment that George McFadden, age 51, an employee of the Canada Starch Company, had been missing from his home at Cardinal since August 12th, 1943.

The delay in reporting this matter to the police was caused by his friends and relatives being informed that he had gone to Western Canada with harvest excurtionists in August, 1943.

A most extensive search extending through this Province, the Western Provinces and the United States has been carried out, and from the evidence so far obtained there is serious doubt that McFadden ever left the district in which he had resided all his life, but there is a grave suspicion that he had been the victim of robbery and murder.

So far, sufficient evidence has not been adduced to proceed against any person.

Three Fishermen Missing—Algonquin Park

On May 14th, 1944, the Department of Lands and Forests reported the following three men, E. E. Bastedo, P. L. Speirs and R. Christie, all of Toronto, who had gone into Algonquin Park on May 4th, 1944, on a fishing trip, were missing.

When the men failed to report to the Park Officials at the conclusion of their holiday, May 13th, 1944, a check was made and the Park Superintendent carried out a preliminary search and survey by aeroplane in an endeavour to locate the missing men. The only trace found was a boat (which had been used by the fishermen to take them to their camp) and which was found bottom up in Lac Lavelle.

Members of this Force, assisted by Park Rangers with dragging equipment, searched the lake and Park for two weeks, but were unsuccessful in locating either the bodies of the missing men or any trace of them on land.

It is assumed that whilst crossing the Lake to their camp the boat capsized and all three, who were dressed in heavy clothing and top boots, were drowned.

Continuous observation was kept until the lakes were frozen over in November, but none of the bodies were found. A further search will be made when the ice leaves around May 15th, 1945.

OFFENCES AGAINST THE PERSON

Occurrences reported under this heading show an increase over 1943. Of those investigated in which the offender was arrested and convicted the following exemplary sentences imposed by the presiding justice are worthy of note:

John Murrell—On October 17th, 1944, was convicted at the sitting of Supreme Court at Cornwall on a charge of rape. Sentenced to five years in the Kingston Penitentiary and six lashes.

Francis Blancher—On February 4th, 1944, was convicted before the Magistrate at Brockville on a charge of carnal knowledge. Sentenced to twenty-three months imprisonment in the Ontario Reformatory.

Clarence Stonehouse—On June 7th, 1944, was convicted at the Criminal Assizes Court, Bracebridge, on a charge of rape, and sentenced to four years in Kingston Penitentiary.

Eugene Simard—On March 21st, 1944, was convicted by the Magistrate in the Magistrate's Court, Sudbury, on a charge of carnal knowledge and sentenced to two years in the Ontario Reformatory.

Claud Smith, London, Ontario—On November 6th, 1944, was convicted at the sittings of the Supreme Court, Walkerton, on a charge of carnal knowledge and sentenced to two years and six months in Kingston Penitentiary.

Lloyd L. Elliott, Camp Ipperwash—On June 19th, 1944, was convicted at the Magistrate's Court, Stratford, on a charge of carnal knowledge and sentenced to nine months in the Ontario Reformatory.

Nicolas Angelo, Crowland—On September 14th, 1944, was convicted at the sittings of the Supreme Court, St. Catharines, on a charge of rape and sentenced to seven years in Kingston Penitentiary.

Roderick McIntyre, C.A.S.F.—On January 27th, 1944, was convicted at the sittings of the Supreme Court, Hamilton, on a charge of rape and sentenced to serve five years in Kingston Penitentiary.

Raymond Gillian, C.A.S.F.—On September 25th, 1944, was convicted at the sitting of the Supreme Court, Hamilton, on a charge of rape and sentenced to serve six years in Kingston Penitentiary.

James Wood, St. Thomas, Ontario—Was, on May 17th, 1944, at the County Court, St. Thomas, convicted and sentenced to seven years in the Kingston Penitentiary and thirty lashes on charges of kidnapping and carnal knowledge.

BREAKING JAIL AND ESCAPES FROM CUSTODY

There were a number of escapes from county and district jails throughout the Province during the year, the most important being recorded hereunder:

Escape from Custody, Grey County Jail, Owen Sound, Ontario

On January 22nd, 1944, two prisoners, Glen Traplin and Joseph Miron escaped from the County Jail at Owen Sound.

Traplin was serving a sentence for automobile theft, while Miron was awaiting trial. Both men were arrested six days later in Ottawa and returned for trial. While at liberty they had committed a number of other offences.

On February 5th, 1944, they appeared before Magistrate E. C. Spereman at Owen Sound Magistrate's Court and were sentenced as follows:

Miron: On charge of Escape from Custody—Three years Kingston Penitentiary. Automobile Theft—Two years Kingston Penitentiary. Three other charges, lesser sentences, all concurrently.

Traplin: Sentenced to eighteen months in Ontario Reformatory on two charges.

Wallace Campbell and Lloyd Flanigan—
Escape from Simcoe County Jail, Barrie

Sometime during the night of February 21st, 1944, Wallace Campbell and Lloyd Flanigan, inmates of the Simcoe County Jail, Barrie, escaped from the jail by sawing through the bars of their cell window.

They were re-arrested in Toronto, April 18th, 1944, and returned to Barrie, where they were each sentenced to four years at the Kingston Penitentiary.

Roy Hallett and Carey Cassandra—
Escape from District Jail, Sudbury

On March 4th, 1944, the marginally-named prisoners, on remand at the District Jail, Sudbury, escaped therefrom by assaulting and over-powering the turnkey.

They were apprehended the following day while endeavouring to board a freight train and were returned to Sudbury for trial.

They appeared before Judge Proulx and were sentenced, Hallett to three months and Cassandra to six months in the Ontario Reformatory, a very light sentence, considering the offence.

Escape from Lincoln County Jail, St. Catharines

Information was received by No. 4 District Headquarters, Niagara Falls on March 6th, 1944, that three men, to wit, Fred Glasgow, Michael Churney and John Lucik, all around eighteen years of age, had escaped from the Lincoln County Jail, St. Catharines.

Glasgow and Churney were apprehended shortly after their escape and sentenced to two years in the Kingston Penitentiary, to run concurrently with any other sentence they may be serving.

Lucik was apprehended later and was also sentenced to Kingston Penitentiary for a term of two years, in addition to any previous sentence.

Ray Loughrey and Lucian Lassaline—
Escape from Middlesex County Jail, London

On the evening of March 23rd, 1944, Ray Loughrey and Lucian Lassaline, inmates of Middlesex County Jail, London, escaped therefrom after beating the turnkey, Fred Last, into unconsciousness. Loughrey and Lassaline were both recaptured and on April 11th, 1944, Lassaline was sentenced at Windsor to two years in Kingston Penitentiary on a charge of escape from custody.

Loughrey appeared before Judge Wearing at London and was sentenced to eighteen months in the Ontario Reformatory.

Escape from Hastings County Jail, Belleville

On November 6th, 1944, the following five prisoners—Norman Bell, Bert Hawkins, Martin Green, Donald Quigley and Floyd Andrews—inmates of the Hastings County Jail, Belleville, escaped therefrom, after brutally assaulting Governor Semain and Turnkey Urch with iron bars and knives.

All accused were eventually re-arrested and returned to Belleville for trial, where they were sentenced as follows:

Norman Bell, Bert Hawkins, Martin Green and Donald Quigley to three years each in Kingston Penitentiary.

Floyd Andrews to two years in Ontario Reformatory.

George Murphy, Roy Long and William Frawley—
Escape from Simcoe County Jail, Barrie

On November 17th, 1944, the marginally-named men escaped from the Simcoe County Jail at Barrie. They were re-arrested in Toronto shortly after their escape, returned to Barrie for trial, where Murphy and Long were sentenced to two years and six months in Kingston Penitentiary, no charge being preferred against Frawley.

George Houde and Leopold Gingrass—
Escape from District Jail, Bracebridge

On Sunday, November 19th, 1944, the marginally-named prisoners, inmates of the District Jail, Bracebridge, escaped therefrom after attacking Turnkey O'Brien and assaulting Governor Reynolds and his wife, who had come to the assistance of the turnkey.

It is believed that they made their way to the Province of Quebec, where they originally came from, and so far we have not been able to effect their apprehension.

William Rose

On September 13th, 1943, William Rose, who had been sentenced at Sarnia, January 13th, 1943, to three years on a number of charges of Breaking, Entering and Theft, escaped from the Portsmouth Penitentiary, Kingston.

He made his way to his old camping ground in Lambton and Kent Counties' where he managed to hide out until arrested in December, 1943, in what is known as "Skunks Misery", a well-known refuge for wanted persons.

While at liberty he committed numerous additional offences including burglary, housebreaking, shopbreaking and automobile theft.

On January 17th, 1944, he was arraigned before Magistrate C. S. Woodrow at Sarnia on fifteen charges of criminal offences in Lambton and Kent Counties and was sentenced to seven years in the Kingston Penitentiary.

HIGHGRADING

Personnel attached to this special duty consist of one Provincial Sergeant and one Provincial Constable.

Investigations have covered all the mining areas in the Province of Ontario and in addition to that we have been able to materially assist the Provinces of Quebec and Manitoba in the suppression of illegal traffic in gold. In return we have received valuable assistance from the Foreign Exchange Control Board, Royal Canadian Mounted Police, the United States Treasury and the local municipal police forces.

Cases Prosecuted

	Prosecutions	Convictions	Dismissals	Pending
Section 424-1-C Criminal Code—Illegal Possession of Gold Ore	8	5	1	2
Section 378 Criminal Code—Theft of Gold from the Mine where Employed	4	1	3	..
Section 170-B Ontario Mining Act—Operating a Gold Refinery without a License	3	2	1	..
Unwrought Metal Sales Act, Chapter 57, 1937, Section 5 of the Revised Statutes of Ontario	1	1	0	..
Section 157 Criminal Code—Bribery	1	..	..	1

Search Warrants Executed	53
Total Investigations Carried Out	242
Approximate Value of Gold Recovered	$2,825.07

For efficiency and to curtail expenses the Schumacher Detachment was closed in October, 1944, and was amalgamated with the Timmins Detachment Office.

Outstanding Investigations

Omer Hurtibise of Kirkland Lake, Ontario, was convicted and sentenced to two years in Kingston Penitentiary for "Illegal Possession of Gold" in August, 1944. The charge arose that one Hurtibise did ship to the Royal Canadian Mint at Ottawa gold valued at $663.13. This gold was alleged by the accused to have come from his mining claims in the Township of Burt, District of Temiskaming. This was proven to be false after extensive investigation. This is the third offence under Section 424-1-C of the Criminal Code of Canada in which the above mentioned person was prosecuted.

Rene Tremblay of Toronto, Ontario, charged and convicted of "Illegal Possession of Gold" valued at $1,469.00. The accused was a former miner in the Porcupine Mining Area from which he admitted stealing the gold. This case was jointly investigated by members of the Toronto City Police, R.C.M. Police and the Ontario Provincial Police Highgrade Squad. On a plea of guilty Tremblay was sentenced to eighteen months definite and three months indeterminate in the Ontario Reformatory.

John Chorney of Timmins, Ontario, charged and committed for trial for "Illegal Possession of Gold" in December, 1944. Chorney has two previous convictions under Section 424-1-C of the Criminal Code of Canada and has a lengthy criminal record. This accused not only deals in the buying of highgrade gold but is also a dealer in fake gold. This case is not concluded.

William G. Koury of Geraldton, Ontario, was charged, convicted and sentenced to three years in Kingston Penitentiary for "Illegal Possession of Gold" in December, 1944. Approximate value of gold recovered, $683.36. The Geraldton Mining area was brought to the attention of the Highgrade Squad this year. The type of gold stolen and recovered in this case did not come from underground but from the milling process known as concentrate. For the matter of information this man (Koury) was a clothes salesman and not a miner, but was caught refining stolen concentrate on his premises.

Highgrade Prevention

Mine Managers have co-operated in every respect. When they have been called upon for assistance they detailed their chemists and assayers to assist in the prosecutions of highgrade cases.

Lectures were conducted at the Ontario Provincial and Municipal Police Training School at Toronto by the Sergeant in Charge of the Branch pertaining to detection of highgrade gold.

In this connection, the Ontario Mining Association have donated a cabinet, which is to be constructed so that it will display every type of gold in its various stages. This cabinet will be kept at Headquarters Office, Toronto, and will be used when instruction is being given to Police Officers attending the Training School.

ANTI-GAMBLING BRANCH

This Branch was actively engaged in the suppression of betting and gaming houses throughout the Province and prosecutions under the gaming sections of the Criminal Code and Lord's Day Act were instituted in the undermentioned Counties and Districts:

County or District	Number of Prosecutuions	County or District	Number of Prosecutions
Elgin	8	Brant	2
Essex	21	Wentworth	38
Kent	4	Norfolk	1
Middlesex	35	Lincoln	5
Lambton	14	Haldimand	1
Oxford	9	York	77
Welland	55	Ontario	10
Peel	1	Wellington	1
Waterloo	12	Perth	4
Bruce	2	Muskoka	6
Dufferin	1	Durham	3
Simcoe	1	Frontenac	8
Lennox	1	Hastings	2
Peterborough	26	Stormont	4
Glengarry	1	Leeds	1
Lanark	1	Temiskaming	3
Nipissing	11	Sudbury	14
Cochrane	3		

Members of the Branch were on duty at the following Race Tracks during the months of June, July, August, September and October for the purpose of suppressing illegal betting:

Ontario Jockey Club, Toronto	May 20th to May 27th, 1944
Ontario Jocket Club, Toronto	Sept. 9th to Sept. 16th, 1944
Thorncliffe Park Racing Association, Toronto	May 29th to June 5th, 1944
Thorncliffe Park Racing Association, Toronto	Sept. 23rd to Sept. 30th, 1944
Metropolitan Racing Association, Toronto	June 7th to June 14th, 1944
Metropolitan Racing Association, Toronto	Oct. 14th to Oct. 21st, 1944
Long Branch Jockey Club, Toronto	June 15th to June 22nd, 1944
Long Branch Jockey Club, Toronto	Oct. 4th to Oct. 11th, 1944
Hamilton Jockey Club, Hamilton	June 24th to July 1st, 1944
Hamilton Jockey Club, Hamilton	Aug. 5th to Aug. 12th, 1944
Niagara Racing Association, Fort Erie	July 4th to July 19th, 1944
Stamford Park, Niagara Falls	Aug. 19th to Sept. 4th, 1944

One hundred and ninety-one (191) persons under suspicion of bookmaking or for other undesirable practices, were requested to leave the various tracks. We found two ex-servicemen wearing the King's uniform improperly, one at Stamford, the other at the Fort Erie Race Tracks.

Race track officials expressed their complete satisfaction and appreciation for the co-operation they received. All race tracks gave this Branch Power of Attorney to act as their agents for the purpose of excluding or removing any person or persons from their premises. We endeavoured to exercise this authority with our best judgment, considering at all times the rights of others.

Investigations were made for the purpose of detecting places using as instruments of gaming, pin ball and free play slot machines or other devices used in contravention of Section 229 of the Criminal Code. I am pleased to report that the new legislation known as the Slot Machine Act, 1944, has been most effective, as most of this kind of vice has been stamped out. Total number of slot machines seized by this Branch since May 1st, 1942, to December 31st, 1944—eight hundred and four (804). One hundred and seventy-seven of these were seized during the year under reveiw.

Five recommendations were made under the Gaming and Betting Act, 1942, to padlock premises that had been convicted under Section 229 and 235 Criminal Code and the following places were closed.

W. M. Noonan (The Villa)	No. 2 Highway, Township of London, County of Middlesex	Three Months
John A. Duncan	784 Lakeshore Road, New Toronto	One Year
John L. Matthews	R.R. No. 8, London, Ontario	Three Months
C. R. Morden	168 Front St. N., Sarnia, Ont.	Ten Months
Richard Catalano	Hutton Sideroad, Township of London County of Middlesex	Two Months

The premises at 16 Royal York Road South, Township of Etobicoke, County of York, is still equipped with forty-five individual lines to three switchboards and two additional telephones. The purpose of this equipment is for the receiving and transmitting of racing information used by betting house keepers in the Toronto area. We executed two search orders at these premises on November 22nd and November 24th, 1944.

Although the telephone equipment is still on the premises, all lines have been temporarily suspended at the request of the subscriber.

One thousand, three hundred and five (1,305) investigations were conducted during the year. One hundred and nineteen (119) search orders executed, fifty-six (56) summonses served and forty-eight (48) arrests were made without warrants. Eight (8) persons were sentenced to gaol for a total of twelve months and twenty days.

Fines totalling $25,196.00 were imposed and collected and $4,380.83 seized in gaming devices and gaming and betting houses was confiscated. The latter amount was given to the convicting magistrates to forward to the Receiver-General of Canada.

None of the known common gaming and betting houses (operating prior to May 1st, 1942) resumed operations.

A classification of prosecutions, convictions, dismissals, withdrawals, etc., covering the period of January 1st, 1944, to December 31st, 1944, is as follows:

OFFENCE	Prosecutions	Convictions	Dismissals	Withdrawals	Fines Imposed and Collected
Common Gaming House, Sec. 229 C.C.	164	147	14	3	
Common Betting House, Sec. 229 C.C.	17	15	2	....	
Permitting Premises to be used as Gaming or Betting House, Sec. 228 (2) C.C.	2	2	....	....	
Found In, Sec. 228 (1) C.C.	143	130	4	9	
Record and Register Bets, Sec. 235 (E) C.C.	5	4	1	....	
Supplying Racing Information, Sec. 235 (E), C.C.	1	1	....	....	
Dispose of Goods by Chance, Sec. 236 (d) C.C.	1	1	....	....	
Stake Money on Gambling Device, Sec. 236 (e), C.C.	13	11	2	....	
Assault, Sec. 291 C.C.	1	1	....	....	
Obstructing Police, Sec. 168 (a) C.C.	1	1	....	....	
Lord's Day Act	28	28	....	....	
Liquor Control Act	9	8	....	1	
Breach Oil Controller's Regulations	1	1	....	....	
Totals	386	350	23	13	$25,196.00

CRIMINAL INVESTIGATION BRANCH

During the year this Branch of the Force has investigated many important cases requiring exceptional ability and application on the part of the officers concerned.

For record purposes, it is desired to mention in some detail a number of the more serious crimes given attention.

MURDERS

Hugh MacDonald, Bigsby Island, Kenora District

On April 11th, 1944, Hugh MacDonald, age 34, a farmer and father of thirteen children, residing on a farm at Bigsby Island, Kenora District, was shot in the heart with a .22 calibre rifle.

At the time of the shooting, MacDonald's wife was confined to the hospital at Rainy River, and previous to going to the hospital, arranged for a Miss Isobel Wilcox, age 31, to look after the children during her absence.

Miss Wilcox had been in the MacDonald home only a few days when the shooting took place. This resulted from overtures and threats to kill her if she did not accede to his desire. Following the shooting, Miss Wilcox left the room and made her way to the mainland, where she told what had occurred.

Police investigation followed immediately. It was found that the facts as outlined by Miss Wilcox were substantially correct. However, she was charged with murder.

Miss Wilcox appeared for trial and was found not guilty.

Viola Jamieson, Flanders, Rainy River District

On June 10th, 1944, Mrs. Viola Jamieson, age 42, residing in a log house with her common law husband, and two sons, one mile west of Flanders, Ontario, was brutally attacked by four men, with the object of robbery.

Mrs. Jamieson had been in the habit of keeping large sums of money concealed on the premises and this became known in the neighbourhood, with the result that about the middle of May, 1944, a root house, where money was hidden, was broken into and $1,300.00 stolen. Mrs. Jamieson did not discover this until the early part of June, when the premises were again broken into. No money was stolen on the second occasion.

On June 10th, Mrs. Jamieson, with her two sons, age 8 and 12 respectively, were absent from home. On their return, about 6 p.m., the two boys were seized by four men and placed in the root house, some 70 feet distant from the dwelling. Mrs. Jamieson was then taken into the house and questioned as to the whereabouts of her money. This she refused to disclose. The four thugs then tortured Mrs. Jamieson by placing her on a hot stove in the kitchen. Following this they threw her into the root house, where the two boys were. They padlocked the door and made off. One of the boys was able to dig his way out of the root house with his fingers, and, running to Flanders, gave the alarm. Local residents responded and Mrs. Jamieson was conveyed to a hospital in Fort Frances. She died, however, as a result of injuries received at this time.

Police investigation followed, with the result that four men, named George Skrypnyk, age 23, Anthony Skrypnyk, age 28, William Schmidt, age 30, and Eino Tillonen, age 19, were charged with murder. All four accused men were convicted of murder at the Sittings of the Supreme Court at Fort Frances and were sentenced to be hanged on December 6th, 1944. A recommendation of mercy was made by the jury on behalf of the accused Tillonen, and the sentence of death was subsequently commuted to life imprisonment by the Governor-General in Council.

The day before the hanging was to take place at Fort Frances, an appeal was made on behalf of Schmidt and as a result, Schmidt and the two Skrypnyk brothers were reprieved until March 1st, 1945. The Schmidt appeal was heard and dismissed with one judge dissenting. As a result of this, a further appeal has been made to the Supreme Court of Canada.

Baby Bell Murder, Oakville

On June 17th, 1944, a baby was born to Mrs. Lois Bell, a widow of 35 years of age, living with her 7-year-old son in a room in the town of Oakville.

About 4 a.m. on this date, the occupants of an adjoining room, hearing a strange noise coming from the bathroom, suspected that something was amiss. Mrs. Bell was sick. They attempted to open the door, but found it locked. They immediately telephoned for a doctor.

On the doctor's arrival it was discovered that Mrs. Bell had given birth to a baby. The baby was in a kit bag in the room and was still living, but showed evidence of rough handling. The baby died shortly afterwards.

Investigation followed and Mrs. Bell was charged with murder. The accused appeared before a court on October 23rd, 1944, and was found guilty of concealment of birth and was sentenced to one year in the Ontario Reformatory.

Gordon Faught, North Bay

On June 28th, 1944, Gordon Faught, age 37, a roomer at the home of Bernard Lentz, was stabbed through the heart with a hunting knife and died almost immediately.

Following police investigation a charge of murder was laid against Lentz and the trial took place at North Bay on October 10th, 1944. Lentz was acquitted by the jury. The defence at the trial was that the stabbing was accidental, in which the jury evidently concurred.

Norman Lamb, Cavan Township

On Sunday, July 16th, 1944, a report was received by the Provincial Police at Port Hope that the body of a child named Norman Lamb, age 4½ years, had been found in a clump of bushes about three-quarters of a mile from his home. The boy had left home two hours previously accompanied by one Charles Davey, age 15 years, a hired boy employed by a neighbouring farmer.

An effort was made to locate Davey and his description was broadcast. A posse was formed and a search of the district was made. While this was in progress, Davey walked into the police station at Peterboro, a distance of 17 miles from the scene of the crime.

Investigation followed and an autopsy was made, with the result that it was discovered the boy had died from strangulation. A charge of murder was then laid against Davey.

The trial commenced at Cobourg on October 31st, 1944, and during the hearing the presiding judge was informed that the jury had become separated during the recess. After hearing evidence, His Lordship decided to order a new trial and to traverse the hearing to the next Assizes, the accused to remain in custody.

Eini Lemitty Haapa, Schreiber—Murder and Suicide

On June 10th, 1944, the body of Eini Lemitty Haapa, a Finnish woman, age 24 years, was found in a shack at Schreiber, shot through the head.

This shack was occupied by one Thomas Accleton, age 35 years. Investigation revealed that the deceased and Accleton had kept company for several years and were to be married. The girl, however, changed her mind and this caused Accleton to brood.

The deceased woman lived with her father in the vicinity of the Accleton shack and was accustomed to pass daily when taking the cows to pasture. During one of these trips, she went into Accleton's shack where she was found dead, shot through the head.

Investigation followed and that day Accleton was found in the bush, adjacent to his shack, suffering from the effects of a bullet wound in the head. He was removed to the hospital at Port Arthur and charged with murder.

Eight days later Accleton died, without gaining consciousness. No inquest was held on either body. The evidence pointed to murder and suicide in which the local coroner concurred.

Mrs. Ethel Smith, Ipperwash Beach, Lambton County

On September 11th, 1944, Austin Smith of Detroit, Michigan, arrived at his summer cottage at Ipperwash Beach, Ontario, and found his wife on the floor, dead. She had been shot through the breast.

Investigation by police disclosed that the cottage had been broken into and property, including a pistol, lady's purse and automobile stolen. Fragments of a .303 calibre bullet were found embedded in the woodwork and furniture.

It was then learned that a young soldier, named Stata, stationed at a nearby camp, had been "A.W.L." from the night before. He had a service rifle and ammunition with him. As he had relatives in Toronto and Chesterville, Ontario, a watch was kept. Stata was arrested as he entered a house in Toronto. The pistol from the Smith cottage was found on his person. Stata was charged with murder and committed for trial.

The stolen automobile, the service rifle, and the victim's purse were found—the automobile at Kingston, the purse in a creek near Watford, and the rifle hidden at Chesterville.

Frank Scibor, Malden Township, Essex County

On September 28th, 1944, the body of a man was found, burned, in an automobile in a lane leading to a farm in the Township of Malden, Essex County.

The body was identified as that of Frank Scibor, age 45, a farmer and recently employed as a war worker in the Ford Motor Plant at Windsor.

It was generally believed that Scibor's death was caused by lightning having struck the automobile. As accidents of this kind are very rare an investigation followed and John Shenko, age 49, was arrested.

A post-mortem examination revealed that the deceased had been struck with a blunt weapon before being burned. The police, to substantiate this theory, recovered an automobile brake handle close to the scene of the crime, which was believed to have been the murder weapon. This handle had come from an automobile used by the accused. Shenko was charged with murder.

The trial took place at the Sandwich Assizes and continued for ten days John Shenko was found guilty of murder and sentenced to be hanged on March 22nd, 1945.

During the investigation of this murder, a difficulty that had to be surmounted was the identification of the body. This was finally established beyond doubt by dentistry work and the finding at the scene of the crime of a metal disc, used for identification purposes at the war plant where the victim had been employed.

Mrs. Alexandria Goch, Swansea, York County

On October 17th, 1944, Michael and William Goch, brothers, arrived home at 92 Kennedy Avenue, Swansea, from work. Being unable to obtain admittance by knocking at the door, they gained entrance to the house through the cellar window. Here they found their mother, Alexandria Goch, age 59, lying on the floor fully clothed, dead.

An army issue overcoat was wrapped around her head. A piece of sash cord and a necktie were around her neck and her hands were tied behind her back. Her feet were tied together.

The Swansea Police were notified and they immediately asked for the assistance of this Department.

A post-mortem examination revealed that death was due to asphyxiation. There were no other injuries to her body. Investigation revealed this woman had been in delicate health and apparently had been washing clothes when she was attacked.

Although every effort has been put forward by this Department, in co-operation with the local force, not sufficient evidence has been obtained as yet to enable them to make an arrest. Investigations are continuing.

Mike Sheveluk, Pickering Township—Previously Reported

On November 25th, 1937, the murder of Mike Sheveluk, age 35, was reported to the Criminal Investigation Branch. Sheveluk's body was found on the roadway north of Pickering, Ontario, and following the murder, the victim had been mutilated.

On August 8th, 1944, Samuel Michael, a farmer of Pickering Township was arrested and charged with the murder. Michael came to trial on October 16th, 1944, and was found not guilty.

The deceased was employed as a caretaker at a Jewish camp in the vicinity, and while so employed, resided for a time at the home of the accused. It was stated to the investigating officers that the accused suspected Sheveluk of paying attention to his wife. This suspicion resulted in Sheveluk leaving Michael's home and taking up residence with a neighbour. He continued to look after the camp.

OTHER MURDERS PREVIOUSLY REPORTED

Other murders previously reported continued to receive attention, and included among that number were the following:

1. Walter W. Cunningham and Mrs. Agnes Fardella, Cobourg, November 25th, 1942
2. David Palmer, Cochrane, May 14th, 1943.
3. Martha Omelia, Niagara-on-the-Lake, September 21st, 1943.

ATTEMPTED MURDER

Chief Constable Sims and Constable Ford, Meaford, Ontario

On October 18th, 1944, Steven Gaskey, of St. Catharines, attempted to kill Chief Constable Sims and Constable Ford of the Meaford Police by firing six shots at them from a revolver.

Assistance was sought through our Owen Sound Detachment and Gaskey was arrested, in a house occupied by his wife, from whom he was separated.

When arrested he was found to have attempted to take his life by slashing his throat. He was also suffering from a bullet wound in the right arm, obtained in an exchange of shots with the police.

The prosecution of Gaskey is in the hands of the Meaford Police.

Thomas Latour, Ottawa

On July 17th, 1944, Thomas Latour of Ottawa, Ontario, attempted to murder Mrs. Ada Lalonde, also of Ottawa, by stabbing her in the abdomen with a knife at the Notre Dame Cemetery in Gloucester Township.

Latour was arrested and committed for trial on a charge of attempted murder. He came before Mr. Justice Chevrier and Jury at Ottawa on October 10th, 1944, and was convicted and sentenced to life imprisonment.

Mysterious death of Jacob Dreeves, Caretaker, Main Duck Island, Prince Edward County

What at first appeared to be death from foul play was eventually decided by the Coroner and Crown Attorney to be suicide, when the dead body of Jacob Dreeves, employed as caretaker on the property of J. F. Dullies, Cape Vincent, N.Y., at Main Duck Island in the Bay of Quinte, was found on March 31st, 1944.

The body of Dreeves was found in his shack on the property with the head badly shattered by the discharge of a shotgun found nearby. Dreeves had lived alone and often would not see another human being for weeks at a stretch. It is surmised loneliness caused him to indulge heavily in intoxicating liquors which affected his mind.

MANSLAUGHTER

Walter Gillies

On March 10th, 1944, at Schumacher, Ontario, a fire was reported at the home of Walter Gillis.

On arrival of the fire department, Gillis was outside and smoke was seen coming from the lower part of the house. Entering the premises, the bodies of four children were found and later identified as Sandra Gillis, age 5, Gerald, age 4, Richard, age 2, and Michael, 9 months.

The Police were notified and investigation resulted in Gillis and his wife being charged with manslaughter.

They appeared for trial at Cochrane on April 17th and were found guilty of manslaughter and sentenced to three years each in Kingston Penitentiary.

During the investigation it was disclosed that Gillis and his wife spent most of their time in beverage rooms in the district, leaving the children alone for the most part, and they had been drinking on the day of this fire at their home.

In connection with this case the following editorial, which appeared on the front page of the Timmins Daily Press, dated March 11th, 1944, is of interest:

> "Their mother was away. (She was informed of her children's deaths in a Timmins beer parlour where police found her after the tragedy.
>
> Their father was at work.
>
> They were alone in the house, locked within four dirty freezing rooms.
>
> There was no fire in the house until the eldest of the tots, a boy of five, managed to connect a small electric hot plate to a wall plug. *This was the only source of heat in the 16-room house.*
>
> There was no bed clothing on their beds. The children lay down with their clothes on and huddled together, three in one bed, trying to keep warm.
>
> There was no water in the house. The plumbing had been frozen for at least two weeks and two pails of water which had been brought in from neighbours' homes had *frozen solid* in the kitchen. The only plumbing facilities available to the freezing children was a beer tray thrown carelessly on the kitchen floor.
>
> There was no food in the house. Three bottles of milk, placed on the doorstep in the early morning, had stayed there throughout the day and were frozen. All the dishes in the house were piled, dirty, in the kitchen sink. Water had been poured over them and this had frozen.
>
> The children had been without any attention other than the father's occasional visit for almost 30 hours before their deaths.
>
> *Under these conditions they lived, and under these conditions, perhaps mercifully, they died.*"

Carmon Smith

On June 7th, 1944, Provincial Police at Orillia were notified that a man had been found lying on the ground outside the Atherley Hotel, Atherley, Ontario. It was not known whether he was alive or dead. The officer, accompanied by a doctor, arrived at the hotel and found that the man had been moved into the hotel corridor. He was dead.

Investigation established the identity of this man as Carmon Smith, age 52, and further, that there had been a fight at the hotel that evening, between the deceased and one David Larmand, age 24 years.

A charge of manslaughter was made against Larmand and on his appearance before the Supreme Court at Whitby, on October 26th, 1944, he was found not guilty.

It was disclosed during the trial that the deceased was of a quarrelsome type and on this occasion received a blow from the accused which caused his death.

Fred Sinclair

On June 10th, 1944, Kenora Detachment was advised by radiogram from Berens River Gold Mine that a man was dead after a drinking brawl.

Officers from Kenora Detachment proceeded by aeroplane, a distance of two hundred and fifty miles, and conducted an enquiry as a result of which John Alfred Swain was arrested and charged with manslaughter arising from the death of Fred Sinclair.

Swain appeared for trial at the Supreme Court, Kenora, on October 2nd, 1944, where the Grand Jury returned "No Bill".

John A. Lindstrom, Hudson, Ont.

On July 1st, 1944, Sioux Lookout Detachment was advised of the death of John A. Lindstrom, Hudson, Ontario.

Investigation resulted in the arrest of Kazimierz Tokarz on a charge of manslaughter. Tokarz appeared for trial at the Supreme Court, Kenora, on October 3rd, 1944, where the jury returned a verdict of "Not Guilty".

Robert J. Conwell, Thunder Bay District

On November 18th, 1944, Robert J. Conwell, a hunter from the United States, was shot and killed in mistake for a moose, by Edgar Logan Broome, a fellow hunter, while hunting in the Thunder Bay District. Broome was arrested and charged with manslaughter.

Case not completed.

Hans Lappi

On October 22nd, 1944, Hans Lappi of Fort William, Ontario, was shot and killed by William Narvanen, a fellow hunter, while hunting in the District of Thunder Bay.

Narvanen was arrested on a charge of manslaughter and committed for trial.

Case not completed.

Wife Beating—Waterloo County

On February 6th, 1944, Edward Doerr, Bridgeport, Ontario, severely beat his wife and threw their seven months' baby into the roadway.

He was arrested and charged with wife beating. He was remanded in custody for mental examination and was committed to a mental hospital until May 3rd, 1944, when he was released and appeared before Magistrate Polson, who sentenced him to eighteen months imprisonment in the Ontario Reformatory, with ten lashes.

HIT AND RUN FATALITIES

Attention is directed to outstanding work accomplished by members of the Force in bringing to a successful conclusion, investigations in which the drivers of automobiles had, after running their victim down and either killing or severely injuring them, driven off, and apparently made a clean get-away.

This despicable form of offence is one of the most difficult of all police enquiries, quite often the officers have little or nothing to guide them in their endeavours, yet during the year cases that appeared to be unsolvable have been successfully cleared up on the slightest of clues.

In one case a small piece of metal from a broken headlight was the connecting link. In a second, a shred of cloth embedded in the automobile. In another, a few hairs on a headlight socket, whilst in a fourth case the deciding factor in identifying the automobile responsible for a man's death were "two hairs from the victim's eyebrow" found embedded in the metal of the automobile.

Motor Manslaughter

On November 22nd, 1944, about 7 p.m., Morris Code, age 10, and Henry J. Wolfreys, age 9, both from Morgan Avenue, Markham Township, while riding their bicycles on No. 11 Highway at Thornhill, were struck by an automobile which did not stop.

The Code boy suffered a severe skull fracture. The Wolfreys boy, after being struck with the automobile, was run over by a northbound radial car. Both boys died almost immediately.

Police were notified and Mrs. Vivian Hodge of Thornhill was arrested on a charge of manslaughter. The accused appeared for trial and was acquitted on December 22nd.

Manslaughter Arising out of a Collision Between a T.T.C. Coach and a Transport—Ajax.

On December 23rd, 1944, a T.T.C. passenger coach with several passengers, driven by James Brown, was travelling west on Highway No. 2 near Ajax, Ontario, when it collided with a stationary transport owned by the Harris Transport Company, Toronto.

As a result, Mrs. Andre Scott received injuries resulting in her death. The driver of the coach was arrested shortly after the collision and charged with manslaughter. The trial is still pending.

Motor Manslaughter—Edith M. Brownlee, R.C.A.F. (W.D.)

This case, which was reported in 1943, was terminated by the two accused, Robert Evans and George Wynn, appearing in the Supreme Court at Brantford on March 23rd, 1944, when the jury returned the verdict: Evans guilty of manslaughter and Wynn guilty of dangerous driving. Evans was by the presiding judged sentenced to ten years in Kingston Penitentiary, and Wynn to two years in the Kingston Penitentiary.

Motor Manslaughter—Rainy River

On May 6th, 1944, a man and woman were knocked down on Cloverleaf Highway near Rainy River. Investigation resulted in the arrest of William G. Morrison, truck driver, Rainy River. Charges of manslaughter and dangerous driving were preferred.

On the manslaughter charge the grand jury returned "No Bill".

On June 5th, 1944, the jury returned a verdict of "Not Guilty" on the dangerous driving charge.

There was evidence of considerable drinking in this case.

Motor Manslaughter—Sudbury District—John Stanley Baxter

On June 25th, 1944, John Stanley Baxter, Instructor at the Sudbury Mining and Technical School, whilst operating a motorcycle on the Long Lake Road, Sudbury, carrying Guthrie Sparks as a passenger on the pillion seat, was struck by an automobile which did not stop. Baxter died on admission to hospital.

Investigation resulted in the arrest of Niilo Heino, Lockersby Township, who has been drinking and was still under the influence of liquor when arrested. An exhaustive examination was made of the automobile driven by Heino and embedded in the left front fender was found a small piece of black leather and a piece of cloth. This piece of leather and cloth were identified as having been torn from a black oxford shoe and sock worn by the deceased Baxter.

Heino was committed for trial and was tried at the Assize Court, Sudbury, on August 30th, 1944, where the jury returned a verdict of "Not Guilty" of manslaughter, but guilty of dangerous driving. He was sentenced to six months imprisonment.

Motor Manslaughter—Death from Hit and Run—Near Thornhill, York County.

At about 2 a.m., October 24th, 1944, the body of Mrs. Helen Gouett was found in a ditch on the west side of King's Highway No. 11, Thornhill, Ontario.

Whilst walking north on the Highway, Mrs. Gouett was apparently struck by an automobile which did not stop. Fragments of an automobile headlight lens were found at the scene, which, upon examination, were said to belong to a certain type of automobile.

On October 28th, 1944, Private John Baldwin, R.C.A.S.C., Camp Borden, was arrested after attempting to purchase a headlight for a Chevrolet automobile.

Baldwin appeared before the magistrate and was committed for trial on a charge of manslaughter. This case has not been completed.

Motor Manslaughter—Hit and Run—Township of Whitney

On the evening of November 25th, 1944, our Timmins Detachment was notified of a hit and run occurrence on Highway 67 in the Township of Whitney. The Timmins Detachment notified all surrounding police and proceeded to the location. The injured had been taken to the hospital.

From information received it was found that five boys had been walking from Pottsville to South Porcupine on No. 67 Highway. At a point about one mile east of South Porcupine two of the boys were struck by an automobile proceeding in the same direction, the driver failing to stop after the accident.

One boy, Nick Ursulack, age ten years, was killed instantly and his companion, Lloyd Bruce, seriously injured. The other three escaped injury.

The investigating officer received information that an automobile had been seen driving toward South Porcupine at a high rate of speed carrying only one light. This automobile was found to be owned by one Adelard Chanette, residing in German Township.

The automobile was found outside Chanette's house and when examined, fresh dents were found on the right front fender and the lens missing from the right front headlight. The fender was covered with fresh snow which had been used to cover up the marks of damage to the fender. The damaged parts were removed, tested for blood stains and found positive.

Chanette was arrested, charged with manslaughter and committed for trial at the next court of competent jurisdiction.

KIDNAPPING

On February 3rd, 1944, James Wood, age 18, of St. Thomas, borrowed an automobile and drove to the outskirts of St. Thomas, where he overtook a group of school children. Here he stopped the car and put a little girl, Margaret Malotte, age 6 years into the automobile and drove to a side road, where the child was indecently assaulted and an attempt made to rape her.

Wood fortunately was interrupted in his action, and, as a result, he returned the girl to a street in St. Thomas from where she made her way home. The police were notified and Wood was arrested in Toronto and returned to St. Thomas for trial.

On May 17th, 1944, the accused appeared before the county judge at St. Thomas and was found guilty of carnal knowledge and common assault and sentenced to seven years in the Kingston Penitentiary and thirty lashes.

ROBBERY

On April 1st, 1944, a branch of the Provincial Bank of Canada at Stoney Point, Ontario, was held up by a lone armed bandit and a large sum of money stolen.

The manageress, Corrine Bisnaire, had just opened the bank and on entering her office, found a masked man pointing a gun at her. He ordered her to open the vault. She did so and the bandit stole about $1,300.00 in money and leaving the premises made good his escape in an automobile.

Police investigation followed, and as a result, Lucien Lassaline, age 27 years, was arrested shortly afterwards and part of the stolen money found in his possession. Placed in a line-up, the accused was identified by Miss Bisnaire.

On April 11th, 1944, Lassaline appeared before the local magistrate, charged with armed robbery and upon conviction was sentenced to a total of 19 years. There were other charges made against him, as well as the bank robbery.

Lassaline's capture was brought about as a result of co-operation between citizens and police officers. When Lassaline left the bank, he drove to a point outside the village. Here he abandoned the car, when it stalled. This enabled the police and citizens to pick up his trail which led to a neighbouring farm. Here the bandit acquired another automobile by compelling the owner to stop and get out. The owner, in leaving his car, attempted to disconnect the wiring, but the bandit, who was behind the wheel, fired his revolver, fortunately without effect. By this time, one of our Provincial Constables was on the scene and Lassaline got out of the automobile, and running to what he thought was a safe spot, was in the act of pointing his gun when a Provincial Constable, calling to him to "come on", fired his riot gun striking the robber on the left hand, compelling him to drop his revolver.

The capture of this man ended the activities of one of the most hardened criminals who had operated in the Province for a considerable time.

Robbery with Violence—Gaston Roussey, Smooth Rock Falls—District of Cochrane

On July 15th, 1944, our Cochrane Detachment was notified of a serious robbery at Smooth Rock Falls. On proceeding to that point, the officer found that Ginfei Ping, Chinese Laundryman, had been assaulted and robbed.

Ping informed the officer that a man had come through the window of his laundry armed with a knife, had demanded his money and beaten him up badly because he could only get ten dollars and had then escaped into the bush.

An intensive search was commenced and the same morning a man was seen crossing the railway tracks about ten miles from where the robbery took place, with his hands cut and his clothes covered with blood.

Later that day, one Gaston Roussey, was found with cut hands and face. He could not give a satisfactory account of how he came by his injuries. He was detained and later admitted he had assaulted and robbed the Chinese.

Roussey appeared before Magistrate Tucker on July 28th, 1944, and was found guilty and sentenced to three years in Kingston Penitentiary.

Robbery with Violence—Henri Gagne and Joseph Mercier of Rouyn, P.Q.

On October 8th, 1944, our Larder Lake Detachment was notified by William Robins of Cheminis, Ontario, that he had been robbed of a sum of money and his watch.

Robins stated that he had been in Rouyn, Quebec, and had hired a taxi to take him to his home in Ontario. The taxi driver picked up two other men, unknown to Robins. When they reached a spot known as the Old Cheminis Road in Ontario, one of the men asked the driver to stop for his convenience. All three passengers alighted while the driver remained in the taxi. As soon as they were on the road one of the two unknown men struck Robins over the head with a beer bottle, rendering him unconscious. The two men then searched his pockets, and robbed him of $35.00 and his watch.

Authority was obtained for our Officers to proceed to Rouyn, Quebec, to continue the enquiry and with the assistance of the Rouyn Police, Henri Gagne, Joseph Mercier and Henri Gagnon, taxi driver, were arrested and charged with Robbery with Violence.

They were returned to Kirkland Lake for trial. Gagne and Mercier pleaded guilty and were sentenced to one year each in the Ontario Reformatory. Gagnon was given the benefit of a doubt and the charge against him was dismissed.

PERJURY

Three cases of perjury were investigated, one of which I report in detail.

Harry A. Sherman, manager of the Sherman Detective Agency, was charged with perjury in connection with a divorce action in Toronto. Sherman had in his employ an operator who obtained certain evidence in a divorce action. This evidence he reported in writing to his employer, Sherman. When the action came to court, however, the operator had ceased to be employed by the Sherman Detective Agency.

At the trial, Sherman took the witness stand and, under oath, swore that the data contained in the report submitted to the court had been obtained by him. Some time later, a complaint that Sherman had perjured himself was made by one of the parties to the divorce action, and, as a result of our investigation, Sherman was charged with perjury, convicted, and sentenced to six months in the Ontario Reformatory.

THEFT

Breaking, Entering and Theft—Summer Homes—District of Nipissing

During February and March, 1944, numerous cases of Entering and Theft from summer homes in the Trout Lake District were reported by our North Bay Detachment.

The officers worked long and diligently, often in sub-zero weather, to investigate these depredations and on March 14th, 1944, were successful in apprehending Gerald Moore and Alex Ranger, who were charged with Entering and Theft from twelve summer homes.

These men appeared before Magistrate Gould at North Bay on March 28th, 1944, and were sentenced as follows:—

Moore—convicted on five charges—to eighteen months and five months in Ontario Reformatory.

Ranger—convicted on twelve charges—to two years, Ontario Reformatory.

Breaking, Entering and Theft—Summer Homes—Temagami Lake

From January to April, 1944, a serious epidemic of Entering and Thefts from summer homes in the Temagami Lake area were reported to our Detachment at Temagami and a considerable quantity of valuable goods stolen.

We were successful in apprehending George Gardiner and Ralph Rodina, who were each charged on nine counts. They were both found guilty before Magistrate Gould, North Bay, on August 14th, 1944, and sentenced, Rodina on nine charges of breaking and entering, to eighteen months in the Ontario Reformatory and Gardiner on seven charges to nine months in the Ontario Reformatory.

Stolen goods valued at over one thousand dollars were recovered.

Breaking, Entering and Theft—Summer Homes—District of Algoma

In May, 1944, the Sault Ste. Marie Detachment received reports of Breaking, Entering and Theft from summer homes in that area.

From investigations made it was found that an automobile had also been stolen on May 6th, 1944, and that there was a connection between that and the summer cottage thefts.

As a result of a dragnet being thrown out, Albert Frances and Charles Townsend were arrested at North Bay, in possession of the stolen automobile containing a quantity of the stolen goods.

They were returned to Sault Ste. Marie for trial and were both sentenced to two years and six months in the Kingston Penitentiary on two charges and an additional charge of one year concurrent on the automobile theft charge.

Breaking, Entering and Theft—Summer Cottages—St. Lawrence River Area

Robert G. Charley and Lionel Aimee Pufius, both of Sherbrooke, Quebec, were convicted on May 10th, 1944, and sentenced to one year at the Ontario Reformatory on thirteen charges of breaking, entering and stealing from summer cottages and unoccupied homes on the St. Lawrence River in Stormont and Glengarry Counties.

Breaking, Entering and Theft—Summer Homes—Pine Island, District of Algoma

In May, 1944, reports were made to Bruce Mines Detachment of Entering and Theft from summer cottages on Pine Island.

Investigation led to the arrest at Peterborough, Ontario, of one Joseph Robinson, who pleaded guilty to three charges of Entering and Theft from summer cottages and was sentenced to nine months in the Ontario Reformatory on each charge, to commence at the expiration of any sentence he may then be serving.

Breaking, Entering and Theft—Counties of Perth and Huron (Previously Reported)

On January 13th, 1944, Lorne D. Reviere and Angus Trudeau, who had been arrested and charged in 1943, came before Magistrate Makins at Goderich and were convicted on twenty-five charges of breaking, entering, theft and arson. They were sentenced to terms of eighteen months each in the Ontario Reformatory on each charge.

Floyd McCullough was also charged with arson in connection with these occurrences and was sentenced to two years and six months imprisonment.

Breaking, Entering and Theft—Cookstown, Simcoe County

At 4.20 a.m., January 16th, 1944, District Headquarters, No. 7 District, Barrie, was advised that a store had been entered at Cookstown and an attempt made to steal the safe.

Upon the arrival of our officer, the bandits had evidently taken flight and scattered. One man failed to get into the car and attempted to escape over the highway. He was later arrested and proved to be one Edward Guiller, Toronto, a well-known crook and member of the Peterson gang of bandits. He was identified as being at the scene of the attempted safe robbery and was found guilty and sentenced to three years in Kingston Penitentiary.

The other members of the gang were successful in evading arrest at that time.

Breaking, Entering and Theft—Sandwich Township, Essex County

On January 18th, 1944, the post office and drug store, Township of Sandwich, were broken into and a number of letters, cheques and drugs stolen therefrom.

Arthur Joncas, Clifford Ronald, Jack Kett and Norma Boismier, who were found in possession of goods stolen from these premises, were arrested and charged before Magistrate J. A. Hanrahan at Windsor.

On February 12th, 1944, Joncas was sentenced to three years in the Kingston Penitentiary. On February 16th, 1944, Kett was sentenced by Judge J. J. Coughlin to three years in the Kingston Penitentiary. Clifford Ronald and Norma Boismier were given suspended sentences.

Breaking, Entering and Theft—Winchelsea Creamery, Huron County

On January 22nd, 1944, the safe at the creamery at Winchelsea, in Huron County, was broken open and a large sum of money and cheques stolen therefrom.

After a lengthy and thorough investigation, carried out by members of the Goderich Detachment, two men, to wit, Carl Brooks and Elmer Harkness, were arrested and admitted their guilt. They appeared before the magistrate and were committed for trial.

On April 11th, 1944, they were sentenced by His Honour, County Judge T. M. Costello, as follows:—

Brooks—on two charges—to three years on each charge, in Kingston Penitentiary.

Harkness—on two charges—to two years on each charge, in Kingston Penitentiary.

With the apprehension of these two men, several other offences in the adjoining counties were satisfactorily cleared up, charges having been heard before Magistrate Makins and sentences imposed running concurrently with those as above.

Shopbreaking and Theft—Plantaganet, Prescott County

On January 31st, 1944, Lucien Rosseau, Ligouri Potvin and Napthai Gouin of Hull, Quebec, appeared before the magistrate at L'Orignal, charged with Shopbreaking from the store of P. Gauthiers, Plantaganet, and were sentenced as follows:

Rosseau, seven years in Kingston Penitentiary.
Potvin, five years in Kingston Penitentiary.
Gouin, five years in Kingston Penitentiary.

Breaking, Entering and Theft—County of Hastings

During the months of May and June, 1944, extensive reports of criminal occurrences were received from residents in the district surrounding Belleville.

Members of No. 8 D.H.Q., Belleville, worked in conjunction with the Belleville City Police and were successful in apprehending four men and over twenty occurrences relating to stolen property, cash and cheques valued at over $9,000.00 were traced to them.

At their trial, all four were found guilty and sentenced as follows:—

Raymond Wood, eight years, Kingston Penitentiary.
Stanley Archer, six years, Kingston Penitentiary.
James Miller, four years, Kingston Penitentiary.
James Miller, eighteen months, Ontario Reformatory.

The arrest and conviction of these bandits cleared up one of the worst crime waves that had ever struck the district in which they operated.

Breaking, Entering and Theft—Liquor Store, Wiarton, Ontario, Grey County

On June 7th, 1944, the liquor store at Wiarton, Ontario, was broken into and approximately $1,600.00 worth of liquor stolen therefrom. As a result of an extensive and persistent investigation throughout western Ontario, the following men were arrested—Harvey J. Willis, Harold Indoe and Bill Spetko, and more than half the stolen liquor was recovered.

The accused appeared before Magistrate F. E. Walker at Walkerton and in addition to charges of entering the Wiarton liquor store, were charged with breaking into the Braker's Hotel, Southampton. All elected trial by a higher court.

At their trial Willis was convicted and sentenced to two years imprisonment, and the charges against Spetko and Indoe were dismissed.

Breaking, Entering and Theft—Bradford, Simcoe County

On June 21st, 1944, a drug store at Bradford was entered and the entire stock of narcotic drugs, other drugs and sundries stolen therefrom. The services of this Force were requested and in the investigation it was found that one Stanley Edwards of Toronto, under arrest in the City on a drug charge, had in his possession property identified as stolen from the Bradford store.

Edwards was returned to Barrie, where he appeared before Magistrate Jeffs and was committed for trial.

On October 17th, 1944, Edwards appeared before Mr. Justice Plaxton and jury at Barrie, was found guilty, and sentenced to Kingston Penitentiary for three years. He was later sentenced to an additional four years at Toronto on similar charges, sentence to run consecutively with that imposed at Barrie.

Some most excellent police work and co-operation was in evidence in the cleaning up of this case.

Series of Criminal Offences—Simcoe County

At about 3.00 a.m. on the morning of June 23rd, 1944, a stolen automobile was spotted on the highway between Owen Sound and Collingwood and it was reported that the occupants had stolen gasoline at Durham. Officers from Collingwood and Owen Sound commenced a search for the automobile. Two men were seen running from the office of the Shipley Chopping Mill. They were called on to stop, but escaped in an automobile, attempting to run down the officers in their get-away.

All officers in the District were notified and Provincial Constables from District Headquarters spotted the wanted car proceeding on Highway No. 26. They attempted to flag it down, but again had to jump clear, or would have been ridden down. The car containing the bandits was chased through Barrie and when attempting to make a turn at Allendale, crashed into a shed on Bradford Street. The driver jumped from the automobile just before it crashed and attempted to escape through a swamp, but a shot from a riot gun stopped him. He was then arrested and proved to be Harry Peterson, leader of a night riding gang of bandits and desperadoes, who had for months terrorized small towns and villages manifestly because there was little or no police protection.

In continuing their investigation, the officers were successful in apprehending one Carl Checkett, another member of the gang. In this case difficulty was experienced in having Checkett identified and he was released.

Peterson appeared before the magistrate at Barrie and was remanded on bail, and while on bail was again arrested by the Toronto Police on a charge of automobile theft.

On October 5th, 1944, he appeared before County Judge Harvie at Barrie on charges of entering the Shipley Chopping Mill, when the judge dismissed the charge on the ground that the Constable might have been mistaken in his identity. He was at the same time convicted of automobile theft and sentenced to two years in Kingston Penitentiary.

The arrest and identification of these automobile bandits at night is accomplished with a great deal of difficulty and danger to the officers engaged in the work.

Burglary and Housebreaking—Carleton County

On June 26th, 1944, Joseph Paquette was sentenced by the Magistrate at Ottawa to three years in Kingston Penitentiary on charges of Burglary and Housebreaking.

In this case the District Inspector reporting quotes as follows:—

"Paquette is a notorious criminal and is dangerous; from information in my possession the arresting officers were very fortunate there was not a gun fight with this man. He has, since the conviction and sentence made the boast quite openly that he would use a gun the next time."

Breaking, Entering and Theft—Wasaga Beach, Simcoe County

On July 11th, 1943, the theft of a safe containing cash, bonds and securities to the value of $2,600 from the Allistonia Hotel, Wasaga Beach, was reported to our Detachment at Elmvale.

After extensive investigation one Gordon Wall of Toronto was arrested and charged with the offence. He was convicted February 1st, 1944, and sentenced to four years in Kingston Penitentiary. He appealed his sentence, was granted a new trial and appeared before Mr. Justice McGibbon and Jury December 4th, 1944, and was again found guilty and sentenced to five years.

Breaking, Entering and Automobile Thefts—
Counties of Bruce, Huron, Waterloo and Wellington

During the summer of 1944 a minor epidemic of lawlessness occurred affecting the marginally-named counties. Special night patrols were instituted which resulted in the arrest of Kenneth Hamilton, recently released fromPenitentiary, Edward Losch and Eric Hartrick, who were charged and sentenced as follows:—

Hamilton, 7 charges—3 years in Kingston Penitentiary.
Losch, 15 charges—3 years in Kingston Penitentiary.
Hartrick, 17 charges—3 years in Kingston Penitentiary.

Safe Breaking—Hudson Bay Store, Dinorwic, District of Kenora

On August 15th, 1944, Dryden Detachment was notified that the safe had been stolen from the Hudson Bay Store, Dinorwic.

Investigation resulted in the arrest of Mike Lastwika and Peter Pasiuick of Redditt, well-known safe breakers.

They were tried at the Supreme Court, Kenora, before Mr. Justice Urquhart and Jury, found guilty and sentenced as follows:—

Theft from Hudson Bay Store—Ten years.
Theft of tools, C.P.R. Tool House—Five years.
Theft of Automobile—Two years.

The arrest of the two bandits in this case, the recovery of the safe and contents (approximately $960.00 in cash) was completed within nine hours of the commission of the offence, thanks to some very excellent co-operation on the part of all police departments concerned. This co-operation was favourably commented on by the foreman of the jury and the trial judge.

Shopbreaking and Theft—Carleton County

On September 7th, 1944, Leonard Orton of Kline appeared in Carleton County Court, charged with shopbreaking and theft. He pleaded guilty and was sentenced to three years in Kingston Penitentiary.

Orton's criminal record in the United States and Canada goes back for the past thirty years.

Shopbreaking and Auto Theft—Carleton County

On September 29th, 1944, Constant Thiverige, George Robert and Arthur Montpetit, appeared before the Magistrate in the Magistrate's Court, Ottawa, on numerous charges of shopbreaking and theft of automobiles, when sentences were imposed as follows:—

Thivierge—Two years in Kingston Penitentiary, on three charges, concurrent.

Robert—Eighteen months, Ontario Reformatory.

Montpetit—Two years and six months, Kingston Penitentiary, on four counts, concurrent.

In reporting on this case the District Inspector states as follows:—

"Montpetit and Thivierge are notorious criminals who have served most of their time in gaol. We are satisfied they are involved in several crimes in the eastern part of the Province, but owing to lack of evidence we are unable to prefer further charges. These are the calibre of men who do not talk and I feel now that Montpetit and Thivierge are out of circulation crimes in this District will be materially reduced."

Breaking and Entering—Liquor Store, Tilbury, Kent County

On November 11th, 1944, the marginally named liquor store was broken into and thirty-two cases of liquor stolen therefrom.

Considerable investigation was made in an endeavour to apprehend those responsible and to recover the stolen goods. Eventually our Windsor office was successful in obtaining information leading to the arrest of Ronald Boissonneault and Walter Marchand.

Marchand has pleaded "guilty" before Magistrate Hanrahan and is awaiting sentence. Boissonneault has elected trial before a higher court.

Theft of Mail Bag and Contents—Belle River, Essex County

On December 5th, 1944, the Provincial Bank of Canada, Belle River, delivered to the postmaster a parcel containing $600.00 in cash and $10,550.00 in negotiable bonds. This parcel was put into a mail bag with other parcels and given to the mail carrier to be delivered to the Canadian National Railway train at Belle River Station.

The mail carrier drove to the C.N.R. station to await the arrival of the train, due 8.15 p.m. The train was late—it did not arrive until 8.46 p.m. While waiting, the mail carrier went into the station leaving the mail bags in the trunk of his car, which was not locked.

Upon the arrival of the train, the mail man went to get the bags and discovered the bag containing the registered parcels had been stolen.

Our Belle River Detachment was notified and commenced an investigation.

The following day the mail bag was found discarded a short distance from the station, cut open, and everything intact except the registered parcel referred to.

Suspicion fell on one Alphonse Parent who was questioned and eventually apprehended. $288.00 of the missing money was found in the lining of his coat. He confessed to the theft and admitted he had seen the parcel in the post office. He then followed the mail carrier to the station, stole the mail bag and ran to his home, burned everything but the cash and then threw the mail bag away.

Parent is charged under Section 364 of the Criminal Code and is awaiting trial.

Theft of Automobile Wheels and Tires

An increase is noted in the number of occurrences recorded in connection with the stripping of automobiles and the theft therefrom of wheels, tires and tubes. In some instances, the thefts took place whilst the automobile was standing in the owner's garage but the majority of such thefts were reported by the owners as having occurred when their automobiles were parked at summer residences or left otherwise unattended.

During the year, two hundred and forty-four (244) occurrences were reported in which a total of 603 tires and tubes were stolen.

With the increased shortage and rationing of tires and tubes a ready market is always available for these stolen articles, which invariably have had the serial number or other identifying marks obliterated before being offered for sale, making it practically impossible for the police or owner to identify them, if and when located.

We have been successful in breaking up a number of extensive rackets of this nature, by the method of detailing members of the Force to work in conjunction with municipal police forces.

In Western Ontario particularly a large measure of success was achieved by co-operation with the Windsor Police, which resulted in breaking up tire stealing rackets extending from Windsor to Hamilton. As a result of the campaign twenty-nine (29) persons were arrested and prosecuted for various offences connected with this racket.

EXTORTION

Chauncey Oliver, Richmond Township, Lennox County

During the late summer of 1944, Mr. George Tustin, M.P., a resident of the town of Napanee, Ontario, received numerous anonymous letters, threatening his life if certain monies were not deposited in an appointed place.

As the result of an investigation made by members of this Department, Chauncey Oliver, a farmer residing in Richmond Township, Lennox County, was arrested and charged with extortion. On October 16th, 1944, he was remanded on bail. On October 27th, 1944, the body of Oliver was found in a room of his home with a bullet wound in the head.

The coroner decided death was due to suicide and that an investigation was not necessary.

INQUESTS

Evidence was collected and prepared for eight inquests in various parts of the Province, including two train wrecks; an explosion at the Hand Fireworks Plant, Cooksville; the shooting of a Windsor City police officer; the poisoning of one Mike Shea at Sturgeon Falls; an auto collision on the highway resulting in the death of Alexander Faskin, K.C., a prominent city barrister and the sudden death of one Leonard A. Budrick, who died as a result of a fall from a horse at Timmins. In the latter case, a suspicion of foul play was satisfactorily cleared up.

SUSPECTED SABOTAGE

Two cases of suspected sabotage in war industries (Ajax at Pickering and Goodyear at New Toronto) were reported.

Our investigations, however, did not disclose any evidence to indicate that the acts complained of were the work of a person or persons intent upon committing sabotage.

HIGHWAY TRAFFIC ACT

Statistical information as supplied by the Registrar of Motor Vehicles with comparative statement of the number of Motor Vehicle Permits and Operators' Licenses issued for the years 1944 and 1943 respectively:

	1944	1943
Passenger	568,222	586,016
Commercial	97,868	96,083
Trailer	48,900	48,425
Buses	1,743	1,614
Two-Purpose	1,321	1,447
Motorcycle	5,901	6,415
Chauffeurs	290,357	288,867
Operators	615,293	630,680
Instructional	69,974	70,112

Highway Traffic Act

The following table gives monthly returns of accidents reported by members of the Force for the year, a reduction of 119 from the number reported in 1943, also a decrease of 22 in the number of persons killed.

Month	Total	Fatal	Number Killed	Number Injured
January	320	14	14	197
February	306	11	11	185
March	284	21	28	176
April	242	17	22	192
May	252	8	8	206
June	337	21	24	230
July	377	18	21	306
August	382	27	33	320
September	405	33	40	367
October	368	24	25	259
November	407	24	27	271
December	343	18	22	238
Totals for 1944	4,023	236	275	2,947
Totals for 1943	4,142	250	287	2,965

Traffic safety depends fundamentally upon two things, i.e., providing adequate street and highway facilities—and getting drivers and pedestrians to conform to safe practices in their use.

This can be obtained by providing the safest facilities possible—by training and instructing in safe walking and driving practices, and finally by strict enforcement directed against those who will not comply voluntarily.

There is a close relationship between traffic accidents and traffic violations. Reports show that in almost every motor vehicle accident resulting in a fatality there are one or more violations of traffic regulations.

The Highway Traffic Act prohibits almost all actions which cause accidents, yet in many communities it would seem that drivers who cause fatal accidents are seldom adequately punished.

Until individual responsibility is established for each accident and there is certainty of punishment with adequate penalties for careless and reckless use of the highways, other measures alone cannot be fully effective in preventing accidents.

The general mechanical deterioration of motor vehicles, plus a tendency on the part of some owners to run the old bus to its last gasp, is a serious addition to the already numerous traffic hazards.

Outstanding examples are those owners who operate their vehicles with worn-out brakes, missing head and rear lamps, and tires that are a menace to public safety.

Highway Patrol

I am pleased to report that all motorcycles formerly used by members of the Highway Patrol have been replaced by patrol cars. These patrol cars have proved their worth especially during deep snows and icy roads when it would have been impossible to operate motorcycles.

Since the change of patrol cars for motorcycles commencing in 1940 there has not been a serious or fatal injury to any member of the Patrol. In the ten years prior to 1940, eight members of the Patrol were killed and several incapacitated from duty for long periods as the result of injuries received whilst riding their motorcycles on patrol duty.

PROSECUTIONS FOR TRAFFIC OFFENCES UNDER H.T.A. AND CRIMINAL CODE FOR THE PERIOD JANUARY 1ST TO DECEMPER 31ST, 1944

Offences	Prosecutions	Convictions	Dismisals	Withdrawals
Speeding	80	77	2	1
Defective Lights	304	296	5	3
Markers (Dirty)	15	9	0	6
Careless Driving	1,271	1,058	141	72
Crowding Front Seat	16	16	...	...
No Permits (Drivers, Operators, etc.)	573	549	6	18
Driving Under Sixteen	8	7	1	...
Failing to Stop at Through Street	202	196	5	1
Improper Left Turn	28	25	1	2
Overloading	958	944	5	9
Defective Brakes	214	204	4	6
Fail to Remain at Accident	66	46	15	5
Parking on Highway	85	78	4	3
Rules of Road—Breach of	226	199	17	10
Failure to Notify Purchase	26	26	...	...
Failure to Notify Change Address	32	18	11	3
Bicycles, Lights, Bell, etc.	5	5	...	...
Public Commercial Vehicle Act	42	39	1	2
Miscellaneous	450	415	16	19
Chauffeurs—No License	22	21	1	...
Owner's Name not on Vehicle	11	11	...	...
Reflector	13	13	...	...
Totals	4,646	4,252	235	159

CRIMINAL CODE—SECTION 285

Offences concerning Motor Vehicles

Offences	Prosecutions	Convictions	Dismissals	Withdrawals
Driving While Intoxicated	234	189	30	15
Hit and Run Drivers	41	34	5	2
Taking Car Without Owner's Consent	80	72	8	...
Reckless or Dangerous Driving	440	279	119	42
Driving Whilst License Suspended	35	27	8	...
Totals	830	601	170	59

Returns submitted show a decrease of 562 in the number of prosecutions for violations under The Highway Traffic Act compared with the corresponding period of 1943.

Special consideration has again been given to transportation of war material. In many cases the regulations regarding size and weight of loads have been given a broad interpretation.

To give some idea of the amount of freight being carried over the highway system the records show that 244,143 trucks passed over the weigh scales in the Toronto area alone during 1944.

THE LIQUOR CONTROL ACT

During the year, reports were received of considerable quantities of liquor bearing the seal of the Quebec Liquor Commission being sold at bootleg establishments in Toronto and other centres.

In an endeavour to block this inlet, a special twenty-four hour patrol was put on all highways emanating from Quebec, with the result a number of automobiles containing liquor bearing the Quebec Liquor Commission seal were seized, the person in charge prosecuted, convicted, fined and the automobiles confiscated as hereunder:

Hudson Sedan	12	Bottles Quebec Liquor	$ 200.00 or three months
Pontiac Coupe	300	“ “ “	1,000.00—Paid
Willys Coupe	25	“ “ “	200.00—Paid
Plymouth Coupe	392	“ “ “	600.00—Paid
Ford Coupe	396	“ “ “	350.00—Paid
Plymouth Sedan	68	“ “ “	500.00—Paid
Ford Coupe	155	“ “ “	500.00—Paid
Lafayette Coupe	100	“ “ “	200.00—Paid
Lafayette Coupe	100	“ “ “	250.00—Paid
Lafayette Coupe	100	“ “ “	500.00—Paid
LaSalle Sedan	200	“ “ “	500.00—Paid
Ford Coach	90	“ “ “	350.00—Paid
	1,738		$4,950.00

The patrol was discontinued temporarily owing to severe weather and road conditions, but will be resumed as soon as road conditions permit.

There were 3,008 prosecutions entered during the year for violations of the provisions of The Liquor Control Act, an increase of 439 over the corresponding period in 1943.

The following statistical table gives the disposition of prosecutions and the amount of fines collected for infractions during the year.

Offences	Prosecutions	Convictions	Dismissals	Commitments	With drawals	Fines Imposed
Having in Illegal Place	681	651	15	5	10	$11,619.00
Selling or Keeping for Sale	81	39	15	9	18	2,085.00
Unlawful Purchase—In possession without Government Seal	17	17	0	....	....	130.00
Unlawful Possession	298	265	17	3	13	27,025.00
Drinking in Public Place	544	504	10	23	7	5,227.00
Intoxicated in Public Place	224	218	....	....	6	2,240.00
Supplying to Minors	103	92	2	2	7	975.00
Illegal Use of Permit	194	156	7	14	17	7,627.00
Having or Consuming in Hotel	61	53	4	3	1	905.00
Permitting Drunkenness in Private Residence	4	2	1	....	1	50.00
Violations of Regulations 13, 15, 62A, 62 (b), 64 (b), 125, 126, 132, 173.	409	388	9	8	4	7,005.00
Found-Ins, Sec. 108A	118	110	....	....	8	1,300.00
Miscellaneous	274	248	7	5	14	5,592.00
Totals	3,008	2,743	87	72	106	$71,780.00

CONFISCATED LIQUOR

The following spirits, wine and beer were seized and confiscated by the presiding magistrates and turned over to the Liquor Control Board:

	1944	1943
Spirits	690 gals.	290 gals.
Wine	852 ″	1,300 ″
Beer	5,345 ″	3,200 ″
Approximate Value	$25,000.00	$7,000.00

AUTOMOBILES CONFISCATED

Under the provisions contained in The Liquor Control Act, the following automobiles were seized and confiscated by the presiding magistrate and brought to Headquarters, Toronto, where they were sold by public auction.

Chevrolet Coach	$ 200.00
Ford Coach	355.00
Willys Coupe	410.00
LaSalle Sedan	700.00
Chevrolet Sedan	560.00
Ford Coupe	534.25
Pontiac Coupe	675.00
Plymouth Coupe	674.30
Packard Sedan	60.00
Packard Sedan	75.00
Dodge Sedan	35.00
Plymouth Coach	200.00
Nash Lafayette Coupe	460.00
Ford Coach	499.66
Ford Coupe	175.00
Dodge Sedan	547.11
Pontiac Coach	75.00
Plymouth Sedan	950.00
Chevrolet Sedan	800.00
LaSalle Cabriolet	864.14
Total	$8,849.46

Revenue Derived from Enforcement of Liquor Control Act

	1944	1943
Fines Collected	$ 71,780.00	$52,520.00
Approximate Value of Liquor Seized	25,000.00	7,000.00
Value of Confiscated Automobiles	8,849.46	4,577.00
Totals	$105,619.46	$64,097.00

Liquor Permits and Prohibitory Orders

During the past year, there were 2,500 Permits for Liquor, Prohibitory Board's Orders and reports on same received at this Branch from Officers of the various Districts and in each case, where there were sufficient grounds to support a recommendation for the cancellation or a Prohibitory Board's Order being issued, the necessary action was taken and reports forwarded to the Liquor Control Board with a covering letter recommending cancellation.

In practically every case the liquor privileges were cancelled or a Board's Order issued as the case may be.

Samples of Liquor for Analysis

During the year there were approximately 228 samples of liquor for analysis received at this Branch from Provincial Police Officers and Municipal Police Officers at different points throughout the Province of Ontario.

Amendments to the Liquor Control Act

There were several Amendments to The Liquor Control Act during 1944, which are as follows: Chapter 34, also Regulations 2, (*f*) and (*g*), 21A (1) to (5) inclusive, and (*a*), (*b*) and (*c*)—26 and 30A (*a*), (*b*), (*c*), (*d*) and (*e*). These new

Amendments were sent to all Magistrates, Crown Attorneys and members of the Provincial and Municipal Police Forces with a copy of the new Liquor Authority Control Act, 1944.

Statistical Returns

Classified Return of Prosecutions, Convictions, Dismissals and Withdrawals
January 1st to December 31st, 1944

	Prosecutions	Convictions	Dismissals	Withdrawals
Criminal Code and Other Statutes	6,016	4,713	869	434
Highway Traffic Act	4,646	4,252	235	159
Liquor Control Act	3,008	2,815	87	106
Wartime Regulations	1,056	1,009	26	21
Totals	14,726	12,789	1,217	720
1943 Totals	16,139	13,626	1,431	1,081

Return of Criminal Prosecutions

Offence	Convictions	Dismissals	Withdrawals	Total
Abduction	4	1	1	6
Abortion	2	...	...	2
Affray	14	1	6	21
Arson	19	3	2	24
Assault—Aggravated	4	...	1	5
Assault—Bodily Harm	100	44	18	162
Assault—Common	217	54	17	288
Assault—Indecent	80	21	15	116
Assault—Police Officer	11	2	...	13
Assault—Intent to Rob	1	...	...	1
Attempted Arson	1	1	...	2
Attempted Breaking and Entering	25	4	2	31
Attempted Bribery	...	1	...	1
Attempted Buggery	...	1	...	1
Attempted Carnal Knowledge	2	...	...	2
Attempted Rape	1	1	8	10
Attempted Robbery	1	...	...	1
Attempted Suicide	10	2	2	14
Attempted Theft	8	8	5	21
Bawdy House—Found-In	14	...	...	14
Bawdy House—Keeping	3	...	...	3
Betting House—Keeper	2	...	...	2
Bigamy	10	...	...	10
Breaking Gaol	7	...	...	7
Bribery	1	...	...	1
Buggery	2	...	...	2
Burglary	16	4	8	28
Carnal Knowledge	17	9	1	27
Concealment of Birth	2	...	...	2
Conspiracy	1	...	2	3
Contempt of Court	2	...	...	2
Corrupting Children	11	2	...	13
Criminal Negligence	...	1	...	1
Cruelty to Animals	25	6	2	33
Damage to Property	35	12	5	52
Damage—Wilful	58	16	3	77
Disorderly Conduct	60	20	4	84
Escaping Custody	11	1	1	13
False Pretenses	49	10	12	71
Forgery	43	...	...	43
Fraud	12	...	...	12
Gaming House—Keeper	183	17	10	210
Gaming House—Found In	144	14	3	161

RETURN OF CRIMINAL PROSECUTIONS—Continued

Offence	Convictions	Dismissals	Withdrawals	Total
Gambling Devices—Conducting	12	2	...	14
Having Housebreaking and Safe-Breaking Instruments	1	...	...	1
Highgrading	10	3	1	14
Housebreaking	249	25	11	285
Incest	9	3	4	16
Incorrigible (Juvenile Delinquency)	56	5	...	61
Indecent Acts	23	8	3	34
Manslaughter	5	11	...	16
Military, Wearing Medals, Uniforms	3	...	...	3
Miscellaneous Offences	89	17	8	114
Mischief	19	5	2	26
Murder	4	3	2	9
Non-Support, Children, Wife	25	10	4	39
Nuisance	2	...	1	3
Obstructing Police	20	2	1	23
Offensive Weapons	45	9	1	55
Perjury	3	...	...	3
Rape	4	7	4	15
Robbery and Extortion	34	4	2	40
Seduction	5	2	2	9
Shooting with Intent	1	2	...	3
Shopbreaking	303	39	7	349
Stolen Property—In Possession Of	33	5	4	42
Stolen Property—Receiving or Retaining	88	50	14	152
Theft	1,204	143	79	1,426
Theft of Poultry	12	...	...	12
Traffic Offences:				
Driving Whilst Intoxicated	189	30	15	234
Hit and Run Driver	34	5	2	41
Taking Car Without Owner's Consent	72	8	...	80
Reckless or Dangerous Driving	279	119	42	440
Driving Whilst License Suspended	27	8	...	35
Trespassing	2	...	...	2
Threatening	2	7	1	10
Unlawful Assembly	1	...	...	1
Uttering	18	...	2	20
Vagrancy	221	38	79	338
Wounding with Intent	11	2	...	13
Totals	4,323	828	434	6,015

REVISED STATUTES OF ONTARIO

Offence	Convictions	Dismissals	Withdrawals	Totals
Children's Protection Act	5	2	1	8
Deserted Wives' Act	18	1	1	20
Female Refuge Act	2	...	...	2
Forest Fires Prevention Act	42	6	1	49
Game and Fisheries Act	38	2	...	40
Highway Improvement Act	13	8	...	21
Master and Servant Act	5	3	4	12
Mental Hospitals Act	80	12	1	93
Mining Act	1	...	...	1
Miscellaneous Provincial Statutes	31	4	1	36
Public Health Act	2	...	...	2
School Attendance Act	6	...	...	6
School Training Act	55	1	...	56
Totals	298	39	9	346

REVISED STATUTES OF CANADA

Offence	Convictions	Dismissals	Withdrawals	Totals
Indian Act	6	...	...	16
Lord's Day Act—Gambling	34	...	...	34
Radio Act	8	...	...	8
Juvenile Delinquent Act	39	2	4	45
Inland Revenue Act	3	...	2	5
Explosive Act	2	...	...	2
Totals	92	2	6	100

WARTIME REGULATIONS

Offence	Convictions	Dismissals	Withdrawals	Total
War Measures Act—Speeding on Highways	783	13	10	806
Breach Wartime Prices and Trade Board Regulations	114	6	4	124
Breach National Resources Mobilization Act	13	1	...	14
Breach National Registration Act	40	1	5	46
Breach Defence of Canada Regulations	59	5	2	66
Totals	1,009	26	21	1,056

GRAND TOTALS

Offence	Convictions	Dismissals	Withdrawals	Total
Criminal Prosecutions	4,323	828	419	5,570
Prosecutions Under Revised Statutes of Ontario	298	39	9	346
Prosecutions Under Revised Statutes of Canada	92	2	6	100
Prosecutions Under Wartime Regulations	1,009	26	21	1,056
Totals	5,722	895	455	7,072
1943 Totals	6,605	991	766	8,362

Arrested with or without warrants and persons summoned for offences against the Criminal Code and other Dominion and Provincial Statutes:

Arrested with Warrant under Criminal Code, Highway Traffic Act and other Statutes	1,099
Arrested with Warrant under Liquor Control Act	51
Arrested without Warrant under Criminal Code, Highway Traffic Act and other Statutes	2,886
Arrested without Warrant under Liquor Control Act	712
Summoned, etc	9,978
Totals	14,726
1943 Totals	16,139

Classification of the ages of persons prosecuted for offences against the Criminal Code and other Dominion and Provincial Statutes, Highway Traffic Act and The Liquor Control Act:

Ages 10-15 years	588
" 15-20 "	2,661
" 20-30 "	3,815
" 30-40 "	3,203
" 40-50 "	2,216
" 50-60 "	1,050
" 60-70 "	372
" Over 70 "	81
Companies	740
Totals	14,726
1943 Totals	16,139

Classification of nationalities of persons prosecuted for offences against the Criminal Code and other Dominion and Provincial Statutes, Highway Traffic Act and The Liquor Control Act:

Canadians	11,690
Americans	148
English	463
Indian	265
Irish	104
Italians	148
Polish	198
Russian	97
Other Nationalities	873
Companies	740
Totals	14,726
1943 Totals	16,139

Classification of sex of persons prosecuted for offences against the Criminal Code and other Dominion and Provincial Statutes, Highway Traffic Act and The Liquor Control Act:

Males	13,156
Females	830
Companies	740
Totals	14,726
1943 Totals	16,139

Classification of marital state of persons prosecuted for all offences against the Criminal Code and other Dominion and Provincial Statutes, Highway Traffic Act and The Liquor Control Act:

Married	7,064
Single	6,809
Widows	27
Widowers	86
Companies	740
Totals	14,726
1943 Totals	16,139

Number of Search Warrants executed under the following:

	1944	1943
Criminal Code	1,002	1,359
Highway Traffic Act	13	12
Liquor Control Act	1,410	1,546
Number of Arrests for Other Forces	640	604
Summonses Served for Other Forces	1,345	1,041

LOST OR STOLEN PROPERTY RECOVERED

Property which had been reported lost or stolen to the value of $357,506.11 was recovered by members of the Force and restored to its various owners.

CONCLUSION

In conclusion I desire to express my sincere appreciation for the counsel and advice received at all times from the Deputy Attorney General and Solicitors of your Department.

I also wish to thank the Press and Radio Officials, Municipal, Railway and Royal Canadian Mounted Police Forces for their ever-ready assistance and co-operation throughout the year.

I further desire to assure you on behalf of the Force of which I have the honour to be the head that the same constant vigilance and devotion to duty will be maintained during the critical days that still lie ahead.

Respectfully submitted,

William H. Stringer,
Commissioner of Police for Ontario.

FIFTY-EIGHTH ANNUAL REPORT

OF THE

Niagara Parks Commission

1944

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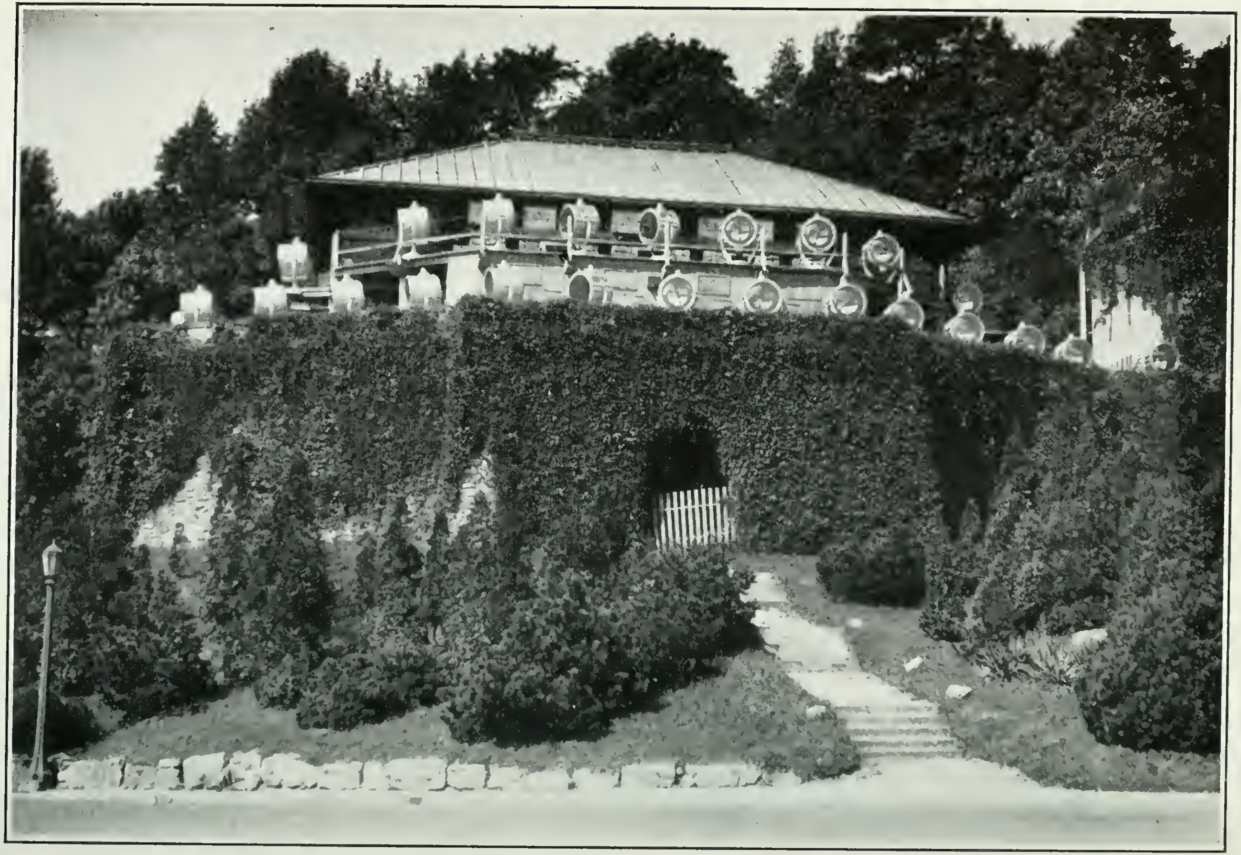


Battery of Lights for the Illumination of the Falls

FIFTY-EIGHTH ANNUAL REPORT

OF THE

NIAGARA PARKS COMMISSION

To The Honourable Albert Matthews, LL.D.,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

The Niagara Parks Commission begs to submit for the information of the Ontario Legislature the Fifty-Eighth Annual Report, covering the provincial fiscal year, April 1, 1943, to March 31, 1944.

The membership of the Commission was changed by the hand of death during the year of which this is record, Donald McGillivray, Port Colborne, being called to other service while in his ninety-second year. Until the illness that proved fatal stayed his hand, he had been a faithful attendant at Commission meetings and the wisdom of his years and the sound advice he gave were greatly valued by his fellow-Commissioners. Otherwise, the membership of the Commission remained as in the previous year, consisting of T. B. McQuesten, K.C., Hamilton, Chairman; Dr. George B. Snyder, Niagara Falls, Vice-Chairman; W. L. Houck, B.S., Niagara Falls; Archie J. Haines, Jordan; Judge J. C. M. German, Cobourg; Ross Harstone, Hamilton; and Arthur T. Whitaker, Brantford.

Throughout the year Maxim T. Gray, O.L.S., Fort Erie, continued as Secretary to and General Manager for the Commission.

Manpower and material shortages continued throughout the year, the effects of war placing a slowing hand upon activities of the Commission. To make up for the shortage of men, it was necessary to put on the payroll for light work during the summer months, retired pensioners and boys under 16 years of age. Naturally, capital construction is a thing of the future, and the Commission, as this report was being prepared, had before it postwar projects, none of the "boon-doggling" type but all works which would be effective improvements in the area under the jurisdiction of the Commission and necessary for efficient maintenance.

A chart prepared for the Commission's guidance, covering the period from 1928 to 1943 with the relationship between capital expenditures and maintenance expenditures, shows that the peak was reached in 1937, a sharp drop in 1938, a gain, not quite to the peak mark in 1939, the year in which the war broke out, and a very sharp decline in the following years. The figures are shown on the attached chart.

Postwar Projects

Maxim T. Gray, Secretary and General Manager, submitted to the Commission in March, 1944, a schedule of suggested postwar projects. These were immediately taken under consideration by the Commission, and the individual Commissioners took copies of the schedule for personal study prior to a general review.

Attached to the report was a schedule of estimated costs, based on manpower at 50 cents an hour for unskilled labour, and on current material prices in pre-war days. As these figures are apt to be upset by postwar conditions, they are not presented in this report. The projects would, however, provide 1,093,705 manhours direct and 1,464,720 manhours indirect, a total of 2,558,425 manhours, which would be called for at a time when the changeover from wartime production to peacetime production was in being.

The report without schedules reads;

To the Chairman and Members of the Commission:

I beg to submit herein list of postwar projects which this Commission might undertake, or sponsor, during the immediate postwar period. I have described each project briefly as to its extent and estimated cost and, in some cases, where we were able to, I have included a general plan in order to show you more clearly the location of the work suggested and a general idea of the type of the project.

Justification for Postwar Work

The main reasons for proceeding with construction work immediately after this war are plain enough, being the necessity for providing employment for the returning service men and for men presently employed by war industries whose services will not be required by industry immediately following the war until such time as factories are readjusted to producing articles for civilian consumption and use. This will be a national problem and, therefore, the concern of all. In due course it almost goes without saying that the manufacture of consumer and civilian goods will provide normal employment for all coupled with the development of our natural resources, which have been neglected during the war period, except those natural resources, which have been directly necessary to the war effort. During the war, inventions have been made of new machines, new processes, and, therefore new articles and the development of these new processes will provide new articles for manufacture and new jobs to manufacture and distribute these articles of trade. Then, of course, stocks of civilian goods ordinarily used are practically non-existent and the work involved in replenishing these goods will be tremendous providing employment for years, once factories get back to a normal operating schedule.

However, sober-thinking people know that there will be a transitory period to go through—a gap to be filled and at least temporary employment of postwar period for those who want to work.

The construction industry can very well fill this gap as far as the mechanics of the problem are concerned. No industry can get into high gear so quickly—almost overnight. In connection with most construction jobs there is usually preliminary work to be done, requiring no materials and providing general plans for the work involved are prepared in advance and approved by the authorities sponsoring the work, a minimum of delay is entailed. In addition to this the members of the armed forces returning to civilian life will find outside work more satisfactory, I think, than immediately going into factory work. These men have been out in the open doing practically manual labour for a considerable time and a period during which they can continue on outside work will give them an opportunity to decide what they would like best to do in the way of future employment.

Again, no construction work can be started as quickly as the improvement and construction of parks. Grading, planting and general cleaning up of neglected areas can be proceeded with at once. As an example—in our own park system 100,000 man hours of work can be provided, doing necessary work of this nature, that is equivalent to providing 100 men with five months steady employment and does not include, of course, the much more extensive labour, both direct and indirect required to complete the structures involved to complete the program laid out on the following pages.

I am sure you will agree that no justification is necessary for the improvement and construction of parks systems. Parks are national assets, whether in their natural state, such as our large provincial parks and provincial forests in the northern part of this province, or where they are in a developed condition such as our Niagara Parkway system. They contribute so much to the general well being of all who visit them, providing as they do a place where people can congregate and visit, to view the beauties of nature and to take part, in restful surroundings, of games and sports, of all kinds. These periods of rest and relaxation are high points in the lives of citizens of any country.

As far as the Niagara Parkway system is concerned, it embraces all of the land adjacent to the Falls of Niagara and the Niagara River on the Canadian side comprising 2,600 acres all told. In addition to the natural attractions in which the area is unrivalled in the world this Commission has formally developed the area to a great extent in the planting of formal gardens, the founding and development of a School for Apprentice Gardeners, the reclaiming of land for park purposes at several points, the restoration of several old historical sites and the development of new park areas as finances have permitted so that this area is a mecca and will be even more so in the future, I think, for people from all over the continent and, in fact, from all over the world. There is no doubt that the improvement of aviation facilities after the war will bring more people from

Gateway to Queenston Heights Park, with Brock's Monument in background

Customs House, and Navy Hall, Niagara-on-the-Lake far distant points to this area, to visit Niagara Falls, the entrance to the Province of Ontario and to this Dominion. Some of the works described herein are designed to provide something more for visitors to do while they are here and certainly to provide increased park areas which will be made accessible by the work involved in this program.

Then, too, the restoration of historical sites on the frontier should be continued as has been done in the past. The existence of these restored buildings provides a means of showing students of history actual conditions as they existed at the time the events took place—much more forcibly than hours of reading. Restoration work is one of the prime duties of this Commission.

Types of Projects

In addition to general improvement of our Park System and new planting of several areas which have been neglected due to the lack of help in the war years and which, as mentioned above, are desirable postwar enterprises, I am suggesting several projects for your consideration which might be proceeded with. All of these suggestions are not recommendations by me. I am leaving the matter of final recommendation for your own consideration. The complete list will follow in detail at the end of this report, but a few general remarks here will give an outline as to the types of projects.

Some of the structures included might be termed self-liquidating and others not. It must always be a matter of decision in a park system whether any one particular concession or enterprise should call for a fee to be charged or not. In the Niagara Parks System the only places where fees are charged are at Table Rock House (for visits to the tunnel), Maid-of-the-Mist, Spanish Aero-Car, Whirlpool Rapids Elevator, the two restored forts and Brock's Monument for a trip up the tower of same. All other facilities are free. Very few of the projects on the list appended hereto could be termed self-liquidating except the swimming pools, the new cafeteria at the Park Restaurant, restored Fort Mississauga, the greenhouses on certain occasions and possibly the bridge to Navy Island.

I might point out, also, that one or two of the projects described and included in the attached list, for instance, the bridge over the railroad tracks, on Central Avenue, Fort Erie, might not be considered works that this Commission should concern themselves with. I consider, however, that the Commission has an interest in every project mentioned and include them, as they occur to me.

Restoration Work

This consists of the restoration of Fort Mississauga at Niagara-on-the-Lake and the blockhouse Fort Riall at Queenston Park. The restoration of these two historical places, you will note, does not involve nearly the expenditure as that required for Fort Erie and Fort George, due to the difference in the size of the projects. Also included is the restoration work in connection with Butler's Barracks, which is a project that the Commission has had under consideration for some time.

Greenhouses

In my opinion an expert greenhouse architect should decide on the location of these after considering the park system as a whole. The greenhouses considered by me in collaboration with Mr. Broman and greenhouse manufacturers are quite pretentious, but will be necessary to properly carry out the park work in the future and to further the experimental work presently being carried on and which will be continued extensively during the years to come. The greenhouses will be a national asset. Adequate Park greenhouses will pay this Commission, also, in the years to come. The purchase of bedding plants and flowers for decorative purposes involves annually an outlay of considerable money. The present greenhouses were originally in Toronto, and forty-five years ago were moved to Queen Victoria Park. In addition, as far as we are concerned here, we are conducting a Gardeners' School from which graduates will go out to all parts of the country. They should be given the most thorough training possible, day by day, feasible only with good greenhouse facilities. In this connection I might point out that practically all of the student body at the Gardeners' School have expressed in writing their desire to return to the School and complete their courses. I believe the student body there might very well be doubled.

Other Projects

Beginning at Fort Erie we have the completion of the sea wall and its extension northerly to Bertie Street, except for the break at Princess Street where I am suggesting a bathing beach. Then there is the filling in at Fort Erie, approximately 150,000 yards of earth fill and top soil and planting to be done there to complete Mather Park. We have the parcel of land at the intersection of Albany Street and Lakeshore Road to level off, landscape and plant and the construction of a work building there. Not mentioned above is a six foot path next to and throughout the entire length of the sea wall, which is included in the list of projects.

There is the proposed new Mather Memorial building and landscaping for which complete plans are already drawn and the money available. There is the proposed bathing beach at the foot of Princess Street. This is very urgently needed in the Town of Fort Erie and involves the hauling and placing of sand, the construction of a short weir extending into the river, etc.

Extension of Park at this Point

In this area there are a dozen or so old frame buildings extending to the Ferry Dock which I am suggesting be purchased, with the land, and demolished. The ferry itself runs now only during the summer months. Its usefulness is decreasing and its ability to continue operating at all is due to the lack of commuters' rates on the Peace Bridge. Its use should be discontinued and this waterfront area reclaimed for park purposes.

Mention might be made here that, if this were done, the only private enterprises on the river from Lake to Lake would be the Michigan Central Railroad, serving two lumber yards between Bertie Street and Gilmore Road (one-half mile) in Fort Erie and the Fort Erie Dock Company at Fort Erie North. I am not referring to a few other privately owned water lots in Fort Erie, in the north end of the town.

Shore Protection

Coming down the Boulevard, I refer next to the shore protection work between Fort Erie and Chippawa which might be called urgently necessary at several places to protect the property of the Commission. There are several miles of this. It should be proceeded with on a considerable scale.

Bridge to Central Avenue, Fort Erie, Over Railroad Tracks

This work came to the attention of the Commission, about twelve or thirteen years ago, as it was felt, at that time, that the Commission should contribute to the cost of this project because its construction would relieve the Niagara Boulevard of considerable north and south traffic, in the Town of Fort Erie, itself, and also through traffic travelling from Buffalo and Fort Erie to Niagara Falls. There is only one connecting north and south street in the entire town of Fort Erie and that is the Niagara Boulevard. I am informed that, when the Railroad first installed tracks in Fort Erie and blocked access from north to south, except by the River Road, it was understood that another crossing would be provided. Such a crossing was subsequently made at the Thompson Road, where a subway exists, this being about a mile and a half from the river, and is entirely inadequate. The Central Avenue Bridge is very necessary and I think the cost of same should be contributed to by the Town of Fort Erie and by the railroads themselves by the direction of the Board of Railroad Commissioners for Canada. The estimated cost of this project is shown in connection with the attached list of projects.

Bridge to Navy Island

If Navy Island is to be developed as a public park (having been taken over by the Niagara Parks Commission from the Federal Government), access must be had to it from the mainland by a bridge. It may be that in time the logical course of events would lead to another bridge from Navy Island to Grand Island, and thus to the Niagara Thruway (short express auto route to Buffalo from Niagara Falls, New York) especially if, as proposed, Grand Island is to be used for a major airport site. There are at present only four bridges crossing the Niagara River, that at Queenston-Lewiston, the Lower Arch Bridge which carries auto and rail traffic between the two neighbouring countries, the Rainbow Bridge, in which the Niagara Parks Commission is greatly interested, since the plaza is now a part of the Oakes Garden Extension, and the Peace Bridge, between Fort Erie and Buffalo, in which the Commission also has a vital interest, since the Rainbow Bridge and the Peace Bridge bring to the Niagara Parks system in normal times, the greatest flow of traffic at any points on the Canadian-United States border.

Included in the postwar projects is considerable planting on Navy Island, (which historically is one of the most important sections in the charge of the Niagara Parks Commission) and the cleaning up of this entire 250 acre park. No highway or paths on Navy Island have been considered in this report, although obviously these will have to be constructed, in time, to complete the general scheme.

Re-surfacing of Niagara Boulevard between Chippawa and Fort Erie

I have included the over covering of the entire boulevard road surface between Chippawa and Fort Erie with 1½ inches of black base with stone chips. This road shows definite signs of disintegrating in places, although the general condition of the surface is fair. When the bridges were widened and curves straightened in 1935, the relocated roadway was not permanently paved.

Work Buildings in Queen Victoria Park

The work buildings in Queen Victoria Park are located too well—they dominate a very valuable piece of ground, and while situated very handily, should be removed from this site in toto, as not fitting for such location. Plans have been prepared for the erection of one new complete building, located further south and at a point where it would be a considerable distance from the roadway, and would not be visible to the normal visitor. As now located between the Administration Building and the public pavilion north of the Park Restaurant, they cannot be termed by anything better than the words "an eyesore".

Concreting in Table Rock Tunnel

There is a continual falling away of rock on the roof and sides of the tunnels under Table Rock leading to beneath the Canadian Falls, not open because of the war. Logically the tunnels should be concreted, as in time there may be some break-throughs between the outside wall of the tunnel and the gorge. In any event, before these tunnels can be used again by the public, there will have to be several months work done in the way of cleaning up and the building of new supports. The best way would be to remove the existing temporary supports and concrete the sides and roof throughout, or drive new tunnels further back to eliminate the danger mentioned, concreting these as protection against falls in the future.

Steel Surge Tank

I refer here to the steel tank just north of the Park Restaurant. This was to have been removed five years after the last war, but was not done. It was to have been removed by the Hydro. I have not included any sum of money for this work.

Swimming Pools

I have included a swimming and diving layout for Queen Victoria Park and also for Queenston Park. This subject has been before the Commission before on different occasions but no accurate estimate has been prepared. I have estimated the cost of a layout fpr Queen Victoria Park consisting of a swimming and diving pool and a wading pool, together with a service building, locker rooms and a covered stand, the whole surrounded by a fence. This might be termed a self-liquidating project as a fee could be charged for the use of the same. I have included the cost of the swimming pool, also, at Queenston Park consisting of one unit together, also, with a service room and locker rooms.

Remodeling of Cafeteria, Park Restaurant

The lunch room here will be entirely inadequate when this is open for full scale business after the war. Originally this lunch room was designed only for the dispensing of ice cream and soft drinks. In the past four or five years lunches have been served here, and in the past two years a low priced full course meal could be obtained. This is a profitable business, and will be, without detracting from the dining-room business upstairs in the main dining-room and on the balcony. I propose here an entirely new layout of an extensive nature, properly designed by an architect familiar with the design of restaurants and cafeterias, and I am satisfied that it will pay for itself after the war. Lacking any detailed plans for a layout of this kind, my estimate of the cost for this work will be approximate only, but I believe will cover the cost of the work. Included in this is the estimate to cover the cost of the new walk-in refrigerator in the main kitchen upstairs. What we have there now are old boxes which have been installed for over twenty-years and they are inefficient and inadequate.

Apprentice Gardeners' School

At this point I have included the enlargement of the dormitories at the Gardeners' School to accommodate sixteen more students. This would be attached to the rear of the present dormitories. I have included, also, here, the completion of the roads and paths in the arboretum plan. We have a complete plan for the eventual completion of the Arboretum which included a complete system of roadways and paths and greenhouses.

Flagstoning in Oakes Garden Theatre and Curbing in Queen Victoria Park

This work will relieve the Park of continual maintenance necessary to keep the paths, roadways and verdures in good shape in these areas.

There are some other smaller items included in the list of proposed works such as the relocation of the roadway at the Trading Post, Niagara-on-the-Lake, the installation of a ventilating system in the bedrooms of the Commissioners' Quarters at the Park Restaurant, the installation of a new sewer at the Apprentice Gardeners' School and as mentioned before, various planting and landscaping jobs at sixteen (16) different locations throughout the park system.

I might mention here, also, but I have not estimated the cost of same, the matter of a new roadway and planting along Chippawa Creek from Chippawa to the Queen Elizabeth Way. This is the property which was acquired by the Hydro for protective purposes during the war period, and it has been suggested that it might be turned over to this Commission for the above purposes.

I might mention, also, the matter of a new highway along the shore of Lake Erie, Fort Erie to Port Colborne. I believe this should come to pass some day, but its location and scope, which would include considerable property purchases, seems to place it in a different category and no doubt should be a job for the Department of Highways to take hold of.

In computing the cost of the various works, a basic wage rate for labour of 50 cents per hour has been used. Costs of materials used are those normally incurred for similar work. As stated before, lack of detail plans has in most cases prohibited the estimation of costs probably not closer than ten or even fifteen percent. An estimate is also given in each case of the number of man hours involved in indirect labour as well as for labour directly involved in construction.

Apprenticeship Program

I might mention here, also, the apprenticeship program of this Commission which consists, not only of the apprentices which we presently have under contract at the Apprentice Gardeners' School, but also other apprentices which we have, and could have, in other trades. The apprenticeship term at the School for Apprentice Gardeners is three years, as you know, the boys being paid $5.00, $6.00 and $7.00 per week for the first, second and third year, respectively, as well as being supplied with board and room and laundry, etc. A year ago we placed our first apprentices under the Apprenticeship Act, R.S.O. 1937, Chapter 192, under the auspices of the Department of

Old Fort Erie (Restored)

Pavilion—Old Fort Erie

Labour for Ontario. Under this arrangement the apprentice enters into an agreement to serve the specified number of years required by the particular trade concerned and he is paid an hourly rate based on the proportion of the rate of a journeyman in that particular trade, and this rate is on a rising scale as the apprenticeship progresses. We now have four apprentices, one each in the following trades, namely, stone masonry, carpentry, plumbing and motor mechanics. We could very well place another apprentice in the iron working trade, and this might be increased to two apprentices in each trade. I am definitely of the opinion, and I think you agree, that this apprenticeship program, both in the gardening work and the other trades, is an effort of first magnitude on the part of this Commission as it would seem to be the only feasible method of providing good artisans to replace older men in the various occupations as they reach retirement age, as well as ensuring that the boys, as they grow up, have a definite means of earning a livelihood in a competent and self-respecting manner. All this without putting any burden on the Commission, as these apprentices all do their daily practical work in connection with learning their trades, work which would have to be otherwise done by others.

You will appreciate that it is difficult to estimate the man hours of labour involved in the various projects, both direct and indirect. I have had recourse to the experience of contractors in doing particular jobs, building bridges, etc. Some of these are contained in the brief prepared by the Canadian Construction Association and from other briefs presented to the Turgeon Committee at Ottawa and these estimates of man hours are also based on my own experience in connection with similar work projects. I believe they are fair estimates.

I hope that the information given herein is sufficient for discussion purposes by you and that it will serve as a guide to you in your deliberations on the subject, when the same comes up for consideration.

All of which is respectfully submitted.

(signed) MAXIM T. GRAY,
General Manager.

As mentioned previously, this report is under the close consideration of the Commissioners individually. The report has, naturally, been accepted only for such consideration.

VISIT OF PRIME MINISTER CHURCHILL

One of the outstanding events of the year was the visit paid in August by the Prime Minister of Great Britain, Right Honourable Winston Churchill, and his daughter Mary, a lieutenant in the British ATS service, to Niagara Falls and Queenston Heights, after the fateful conference held at Quebec. The secrecy necessary to guard his movements was so closely kept, that it was not even allowed that word be gotten to the members of the Niagara Parks Commission, and consequently no member of the Commission was on hand when he arrived under military protection. He was greeted on behalf of the Commission by the General Manager, Maxim T. Gray, and the Hostess of the Commissioners' Quarters, Mrs. Charlotte Barton. The noted guests were much impressed with their view of the great cataract, and also with the view of the Niagara River and Lake Ontario which they had from the balcony of the Queenston Restaurant.

The Hydro News commented editorially on the visit:

Then and Now

As Prime Minister Winston Churchill stood, cigar in hand, viewing the might and majesty of the cascading waters of Niagara Falls recently, he told a reporter that he had first seen this historic landmark in 1900.

At that time he was a young man of 26. Behind him were Harrow and Sandhurst, the early days in the army and service in the Spanish American War. Before him lay the path of political destiny for in 1900 he was elected to "The Mother of Parliaments" as Conservative M.P. for Oldham. When he set foot on Canadian soil on this occasion, he came as Britain's "Man of the Hour" whose dynamic leadership and vivid, epigrammatic oratory have inspired all freedom-loving people.

While Scots maintain Churchill was destined to be a great leader because he was born on St. Andrew's Day, Canadians may insist that they, too, have a link with the British leader. They will point out, for example that Fort Churchill was named after Lord Churchill, later the Duke of Marlborough, who was a distinguished ancestor of the present Prime Minister.

Whether or not, this Dominion has been an influence in the life of Churchill, one fact remains irrefutable. The far-reaching transition which has taken place in the life of the young man who visited Niagara Falls in 1900, has been paralleled by the transition in the economic and industrial life of Ontario. Hydro was but a dream in 1900. Today it is the industrial life-blood of the province in which there are 323 Hydro municipalities serving approximately 560,000 domestic consumers and 77,000 commercial consumers who are enjoying the benefits of low-cost power.

When Churchill, in the role of Britain's war leader, viewed "The Falls" this time he saw a mighty source of this power that is helping produce "the tools" for which he called during the dark days of this war.

To Honour General Sheaffe

The visit of Right Honourable Winston Spencer Churchill, to Niagara Falls, including a brief inspection of the Queenston Heights battle area, and his comment thereon, drew considerable attention in the press. Fred Williams wrote in the Toronto Globe and Mail:

> Mr. Winston Churchill, that wizard of war strategy and master of military history, has criticized General Isaac Brock's unhappy dash up Queenston Heights and expressed surprise that no monument was erected to General Roger H. Sheaffe, the real victor of Queenston Heights. Perhaps this expert opinion upon the historic battle may induce the people of Ontario to, even yet, pay tribute to the man whose brilliant tactics turned defeat into victory. When last year I urged recognition of Sheaffe's service, I was surprised to learn how the old-time Toronto antipathy toward Sheaffe had lasted for so long. One United Empire Loyalist, who had an ancestor killed or captured in the Battle of York in 1813, was most vehement in her contention that Sheaffe had "betrayed the people of York to save his own skin." I tried to convince her that Sheaffe, with his small force of regulars, had no alternative but to retire toward Kingston, then a much more important military post than York; but all to no avail. From outside Toronto, on the other hand, came nine letters of approval of the proposition to honour Roger Sheaffe showing that the dislike for Sheaffe does not extend beyond the County of York. One writer stressed the point that Sheaffe was administrator of Upper Canada as well as commander-in-chief and that his personal safety was essential to the welfare of the Province, a good point, proving the withdrawal from York both a political and military necessity.
>
> The only memorial to Roger Sheaffe is a small stone marker at "Sheaffe's path," on the slope of the Heights, placed by the Historic Sites and Monuments Board, at the instigation of the late General E. A. Cruickshank, a marker which can only be found with a local guide.
>
> Perhaps now that Winston Churchill has stressed our ingratitude to the great soldier, it may be possible to do him justice. In the entrance lobby of the Legislative Building in Queen's Park there is a tablet to General Sir Gordon Drummond, who cleared the enemy out of Upper Canada and even invaded enemy territory. It was placed there in 1932 by Hon. G. S. Henry, then Provincial Premier. Maybe, when he has time, and it is possible to again secure bronze, Premier George Drew, himself a soldier, will see to it that Ontario pays the long overdue debt to Roger Sheaffe. Then there would be joint testimonial that Ontario has not forgotten the two great soldiers, Sheaffe and Drummond, who did so much to defend our territory, inspire the loyal militia, and, at the same time, administer the affairs of a war-torn people suffering great privations, but never yielding in their determination to remain British. Then, when Mr. Churchill visits Toronto, after the great victory is won, we shall be able to show him that a soldier-Premier of Ontario had been the instrument of filling a void in our Provincial hall of fame and given Roger Sheaffe joint credit with Gordon Drummond.

Later Fred Williams wrote:

> The anniversary of the Battle of Queenston Heights (Oct. 13, 1812) has come again, and I would like, once and for all, to tell the story of the marker which points to the path taken by Sheaffe to his glorious victory. You may remember that when Mr. Winston Churchill was at Queenston Heights last August he remarked upon the absence of any monument to the general who had won the battle. And he was told of the small testimony down on the slope.
>
> Discovered a few years ago by Major (now Col.) Dudley Thomas while in camp at Niagara, it has for the past year been the subject of controversy. It was not placed by the Historical Monument Board; it was the idea of a St. Catharines lady.
>
> Mrs. George E. Montgomery, president of the Women's Literary Club of St. Catharines, tells the story:
>
> "It was one of four historical markers erected by our society soon after its organization in 1892. The founder of the society, Mrs. J. G. Currie, wife of Hon. J. G. Currie, had long been a friend of William Kirby, the historian of Niagara, and was saturated with love for the Niagara Peninsula. She persuaded her friends to study Canadian history and urged them to erect monuments for future generations. As a result of her efforts four markers were erected: (1) Sheaffe's Path to Victory; (2) Burning of St.

> David's by the Americans; (3) Headquarters of de Rottenburg; (4) to Major David Secord on the site of the land given by him for the first church. All historians in the Niagara district recognized these markers as the work of our club. The Niagara Falls Park Commission is putting the Sheaffe Marker into condition, and we hope to have a formal rededication of it before very long."
>
> That ought to end the controversy about this little monument.

Mrs. L. Gerald Smith, Toronto, writing to the Globe and Mail, penned the following:

> **Queenston Heights Story**
>
> Not Too Late, Says Writer, to Honour General Sheaffe
>
> Prime Minister Churchill thoughtfully viewed Brock's Monument at Queenston Heights and meditated on the tactics of war. He asked if there was anything in memory of Gen. Sheaffe. Some one said: "I believe there is a plaque somewhere!" Mr. Churchill replied: "Perhaps that was because he wasn't killed."
>
> We all know the story of how, after the death of Brock, McDonnell, at the head of almost 200 of the York Militia, charged up the hill to dispute with Wool the mastery of the Heights and the redan. Our Canadians were very doubtful of the issue and when McDonnell fell mortally wounded, and Williams and Dennis, two gallant British leaders, were badly hurt, their troops were dispirited and hopeless. We can only imagine what a heartening sight was the clouds of dust raised by Sheaffe's advancing troops. It was at this time that Scott took command and drove John Brant's Indian warriors from the Heights. At this critical moment Sheaffe's reinforcements, making the road all aglow with scarlet, were seen advancing. Sheaffe moved cautiously to the little village of St. David's and by a circuitous route gained the rear of that portion of the mountain on which the invaders were posted.
>
> This turned the tide of battle, and we all know the outcome that Gen. Sheaffe won the battle on Queenston Heights, Oct. 12, 1812.
>
> It may still be possible to give honour to this hero.
>
> Toronto. Mrs. Gerald Smith.

The attention of the Commission was officially drawn to the controversy when Mrs. Garman, on behalf of the Women's Literary Society of St. Catharines wrote that the Society was anxious to have beautified, the spot where stands the marker commemorating Gen. Sheaffe's march to victory. The General Manager reported that he had replied to the writer saying that the Commission would be glad to do this, as time and resources permitted. The Board authorized the cleaning and improvement of the spot whenever possible, and called for a report on the matter of more adequate care of the marker from K. M. Broman, Superintendent of Arboriculture of the Commission. At present writing the work is completed with the exception of landscaping and cleaning up. The masonry consists of three half circle cut stone steps leading up to a flagstoned terrace surrounding the stone marker.

Still Mecca for Honeymooners

While gasoline and tire restrictions continued to have an effect on tourist trade, railways no longer ran excursions running into hundreds over a season, and through bus line tours were relegated to the past, Niagara Falls still continues to draw the honeymooners, and in radio programs and through the press, the link between Niagara Falls and the newlyweds was repeatedly stressed. As a result, Niagara Falls hotelkeepers reported that business in 1943 showed a decided betterment over the two previous years, with guests remaining for longer stays, although there were fewer of the type who motored to the Falls for a day, looked at the cataract and then drove away. With transportation harder to secure, the tendency was for longer stays, with consequent enrichment of hotel coffers. Especially was it noticeable that the number of honeymooners seemed to be greatly increased.

A new note in the park has been seen in the presence of phaetons and surreys—not the ones so popular in the song world as having "a fringe on top" but of similar type. Harry Spies and Art Lynn, who have been driving honeymoon couples around Queen Victoria Park for 14 years, changing two years ago from passenger cars to the horsed type, reported business better in 1943, with honeymooners predominating. When gasoline rationing began to affect seriously their livery business, they obtained four horses and carriages which had been in storage at nearby Niagara-on-the-Lake for 27 years. U.S. drivers remained with their taxis up to 1942, but in 1943 some of them followed the lead given by their Canadian counter-parts, and operated eight carriages, including one tallyho which made regular trips across the Rainbow Bridge with tourists from Niagara Falls, N.Y.

DROP IN TOURIST TRAFFIC

The dropping of motoring tourist traffic to the vanishing point hit at park concessions very severely. The Whirlpool Rapids Tower ceased business during the year, closing down for the duration, as the traffic did not justify continuance of operations. The Park Restaurant, handicapped by having its direct access cut off—the military are in control of the frontal access, owing to the necessity of guarding the power plants so vital to the war effort,—felt the pinch, while Table Rock House and the tunnel under the Horseshoe Falls continued to be totally cut off, lopping off the greatest revenue source among the Commission's concessions. The Spanish Aerocar, which crosses the Whirlpool, continued in operation, but showed a heavy decline in receipts, and the concessionaire made repeated appeals to have the terms of payment changed. The Commission offered to go into the whole question of the franchise terms, but this did not meet with the approval of the representative of the concessionaire and the terms were left as of old, without change in the rental fee payable to the Commission. Warning had to be given by the Commission of its intention to enter the premises if the due rentals were not paid in accordance with the agreement between the company and the Commission. The plant of the Spanish Aerocar is carefully inspected by the Ontario Department of Labour and kept up to the highest standard of safety. The company presented the following statistics of receipts for the past five years: 1939, $16,521; 1940, $13,738.35; 1941, $20,432.50; 1942, $10,013.55; 1943 (to September) $4,989.50. Rental charge is $3500 per annum.

Sunday traffic on the Rainbow Bridge, which fed the Queen Victoria Park traffic to the greatest degree, was cut out entirely, by a ruling of the United States Treasury Department that all international bridges must post bonds for the payment of United States Customs and Immigration Officers at the U.S. end of the bridge, at overtime rates of pay (five days' pay for one day's work) for Sundays. The Rainbow Bridge directors decided not to post the bond asked for, and the bridge remained closed for the balance of the N.P.C. fiscal year. The issue was still unsettled at the time this report was being prepared.

DEATH OF COMMISSIONER

The news of the death of Commissioner Donald McGillivray, Port Colborne, was received while the Commission was holding its December meeting, and came as a great shock. The General Manager was instructed to convey to Mr. McGillivray's relatives and associates the deep regret of the Commission and to express the sincere sympathy of the members of the Commission. Mr. McGillivray had been a valued member of the Commission from the time of his appointment, it being recognized that such appointment had been based on his wide experience as a business man and his familiarity with the Niagara Peninsula area, and the appointment had been justified throughout the years by the help which Mr. McGillivray was always glad to give in the solving of the many problems which the Commission had before it from time to time.

LETTER OF CONDOLENCE

Following the tragic death of Sir Harry Oakes, in the Bahamas, he having been a former member of the Niagara Parks Commission and the donor to the Commission of the Clifton and Lafayette Hotel Sites, now known as the Oakes Garden Theatre, the Commission instructed the Secretary to forward a letter of sympathy to Lady Oakes, including in such letter the following resolution:

> "That the Commission has learned, with deep regret, of the death of Sir Harry Oakes, and hastens to extend its sympathy to Lady Oakes and the family. The Commission has very pleasant memories of its cordial relations with Sir Harry, throughout his very useful life on the Niagara frontier. It would be superfluous to mention the very many gifts which Sir Harry made to the communities in the area, which have helped so much to improve and beautify the area. Particular mention must be made, however, to the gift of the Clifton site to this Commission, which enabled us to produce the Oakes Garden Theatre, which is one of the big show places on the continent. The Commission is mindful, also, of the splendid work and support which Sir Harry gave, unstintingly when he was a member of this Commission, and the Commission is hopeful that the memory of the many useful things which Sir Harry did during his lifetime, both to this area and to the world in general, will in some way compensate Lady Oakes and the family for the tremendous loss."

At a later meeting, the General Manager read a letter from Lady Oakes thanking the Commission for the expression of sympathy on the death of her husband, Sir Harry Oakes.

WORKS DEPARTMENT

L. L. Gisborne, Works Superintendent, reported for the Works Department for the year ending March 31, 1944, as follows:

Park Restaurant

Painted cafeteria.
Painted bulk tea and coffee room.
Painted bake shop.
Sanded and finished dance floor.
Sanded and finished ladies' rest room.
Decorated Commissioners' reception room.
Installed lift in laundry chute.
General repairs to plaster, electric wiring, etc.

Table Rock House

Roof repaired in several places due to ice tearing copper.
Turned store room into coal bin.
Converted boiler to coal burning as oil unobtainable.

Greenhouses

Extensive repairs to glass.
Built two new ends on propagating houses.
Built new potting house.

Work Shops

Extended carpenter shop 75%.
Extended blacksmith shop 100%.
Painted repair bay in garage.

Administration Building

Decorated and laid new floor in ladies' rest room.

Incline Railway

Repaired cars.
Repaired main motor with new commutator.

Oakes Garden Extension

Placed new iron grill at Falls Avenue entrance.
Reset all flagstones in pathways.

Oakes Garden

Painted all iron gates.
Repairs to pergola and bandstand.
Installed sink under bandstand for gardeners' use.

Training School

Painted inside residence—complete decoration.
New shingle roof on lecture hall.
Painted lecture hall outside.
Built pig house.

Queenston Restaurant

Installed clothes chute.
Built bedroom in basement for male help.

Navy Hall

Built and installed ornamental iron gate.

Mather Park

Continued building sea wall from last year finishing this work at end of May. About 100 feet of coping was displaced by ice during May and was replaced later. During June all scaffolding was removed. There is still 1200 feet of coping to be placed before the wall is finished.

Queen Victoria Park

Extensive repairs were made to the iron railing of the parapet, 150 new sections being placed as well as repairs to others.

Curbing was laid from the main gate to the road intersection on both sides of the road.

New pergolas were built for the rose garden.

River Road Wall

One problem which took some time to solve was the erasing of writing on the wall coping. After many experiments with different chemicals, none of which had the desired effect, we decided to use grinding. This method proved effective and we are continuing with this work and now have erased these objectionable marks for several hundred feet of wall.

River Bank

During the year, we have had many failures of the river bank, many of them threatening the roadway. This condition was partly due to the extreme high water conditions prevailing. During past years the dumping of large stones at the foot of the bank where slides took place was found effective in preventing further erosion. This year we continued this practice and 875 tons of large stone was used in this work.

If the road between Chippawa and Fort Erie is to be preserved in its present location, this work on the river bank should be continued until finished. This would be less expensive than relocating the road to a position further from the river.

Horticultural Department

John Oakes, Superintendent of Horticulture, reported:

The maintenance of the grounds of Queen Victoria Park, Oakes Garden Theatre and the Oakes Garden Extension during the season of 1943 has presented many difficulties, due to the class of seasonable help that one is able to obtain in these times. With only inexperienced men, it is difficult to obtain the same results that are expected and can be got when times are normal and men are eager and willing to contribute their share to make this section of the Park System one of the finest show places, not only on the North American continent, but of any other Parks system.

As this is the entrance to Canada from the United States, and as first impressions are lasting, it has been the object of the Horticultural staff, with the help and facilities at its command, to keep up the standard of maintenance by keeping the grass cut, the paths clean and furnishing the flower beds with plants grown at the greenhouse. Particular attention has been given to the flower beds and when one considers that some of the planting was done by men who had never handled plants before, the results were quite creditable. The spring flowering bulbs and violas, planted in the fall of 1942, made a good showing. These spring flowering bulbs were old bulbs from previous years' plantings, only the best being used. Sufficient old bulbs were saved to plant many of the beds in the fall of 1943. As these bulbs deteriorate each year there will be only a very few that can be used again for fall planting in 1944 and the price of bulbs is prohibitive for any extensive plantings at present.

Many compliments have been paid to the manner in which the grass has been kept in shape and inquiries made as to the manner in which the equipment has been kept in good working order at a time when new equipment and parts are so difficult to obtain. The standardization of the hand mowers has helped considerably, as most parts are interchangeable and repair parts for this class of mower were easy to obtain, by changing the size of the tires of the Toro tractor, two new tires were obtained for this unit. New reels and bottom plates were obtained and fitted on the cutting units thereby putting the Toro tractor cutting unit in good shape for probably two or three years, and, as this unit does most of the heavy grass cutting on the lawns, along with the hand mowers which have been put in fairly good shape, we are assured of grass cutting equipment to carry through the 1944 season.

The usual work of snow shovelling, turning leaf heaps, cleaning up debris, cleaning and repairing equipment, etc., was carried out by the staff during the winter months.

Alongside the main drive at the entrance to Queen Victoria Park, where a new curb has been installed, grading and sodding was completed in the fall. This new curb will help considerably in protecting the lawns and maintenance and appearance of this part of the Park.

Propagating of bedding plants to furnish the flower beds in Queen Victoria Park, Mather Park, Lundy's Lane Cemetery, Oakes Garden Theatre, Oakes Garden Extension, Queenston Heights Park, etc., was carried out at the greenhouses along with the growing of chrysanthemums, flowering and decorative plants for the decoration of the restaurants and Commissioners' Quarters, etc. Each year this work in the greenhouse gets more difficult owing to the condition and manner in which the greenhouses are deteriorating, and it requires extraordinary skill and ingenuity to produce the class of plants required for the Park System. There is always the fear that the whole thing will collapse. So far we have been able to overcome most of the difficulties and produce a good class of bedding plants, decorative plants, etc., but at a cost far greater than could have been done with good equipment.

In the garden at the rear of the greenhouses, gladioli, plants for cut flowers, stock for bedding plants, were grown along with the propagation of violas, herbaceous plants and alpine plants for the refills in the rockeries and flower beds in the Park System.

The boys from the Training School were given instruction in practical work at the greenhouse during the winter months, and the lectures of floriculture, greenhouse work, and vegetable growing were continued.

Considerable work is and will be necessary after the war on the repairing of paths, replanting of shrub beds and herbaceous borders, repairing lawns, etc., but at the present time under prevailing conditions it is the object of the horticultural staff to keep the grounds in the vicinity of the Falls in as presentable a condition as possible.

Training School for Apprentice Gardeners

K. M. Broman reported on the year's work at the Training School for Apprentice Gardeners as follows:

The Christmas vacation ended on January 13, 1943, and the apprentices returned to the School. The second year attended lectures three and one-half days a week. The first and second years were sent to the Queen Victoria Park greenhouses alternately every other day of the week until the latter part of March.

Practical Work Carried Out

During the late winter, the apprentices worked on the preparation of a propagation-yard for perennials. This consisted in trenching to a depth of 3 feet, an area of ground adjacent to the south side of the frameyard. This was a difficult and sometimes disagreeable task to them, but in the final analysis they were responsible for doing a project greatly needed at the Training School. In the autumn hundreds of columbine and primula plants, and bulbs of different kinds were set out in beds in this new propagating-yard. Here owing to the deep preparation of the soil, they should develop into strong well-rooted plants.

During January and February in inclement weather, the students cleaned and sorted the seed of the 1942 sunflower crop which was sent, as a gift, to Curator Campbell, Royal Botanic Gardens, Kew, England. Several different varieties of Canadian tomato seed were also mailed to Curator Campbell and he was very enthusiastic about testing them in comparison with English tomato varieties.

The planting season in 1943 was very backward, and it rained intermittently for several days, from the last week in April till about the middle of June. The rain made it impossible to work the land until June, as our soil is clayey in nature and the drainage poor, and the soil did not have a chance to dry out until June. However, the non-planted beds in the rose garden were seeded with lettuce, cauliflower, cabbage, beets, turnips, and tomatoes. In other sections of the grounds the apprentices planted soybeans, brown beans, and the white navy beans, beans to be used green, brussels sprouts, leeks, onions, spinach, celery, corn, squash, pumpkins, potatoes, carrots, parsnips. These vegetables were planted in great variety, and an exhibit was set up over Thanksgiving Day week-end, October 9-11. The general public was informed by the local press of the "vegetable show" and a considerable number of people attended it over the three-day period in spite of the gas-rationing. The raspberry crop was very good this year again, but the fruit-trees, especially the peaches, produced practically nothing. The onion crop was poor, conforming with the general report for this year. This fall we harvested medium crops of brown beans, soybeans, and the white navy bean. As soon as the pods were removed from the vines, they were bagged, tied, and taken away to be shelled. When brought back they required sorting and cleaning and the students carried out this work in rainy weather.

The Easter Vacation, commencing April 22 at noon and terminating May 2 was greatly appreciated by the students.

To improve our poultry stock it was decided to purchase new chicks this season. On July 6, 300 day-old chicks were purchased, 100 of these being cockerels to alleviate the meat shortage. These pullets and cockerels grew well and proved to be from a very healthy strain. Eggs were again preserved in water-glass last spring. These preserved eggs were used previous to the time when the new young pullets started to lay.

By supplying speakers to a large number of public gatherings in the province of Ontario, and the state of New York, the School has been able to disseminate a great deal of needed information of horticultural procedure as carried on in the Parks System.

The Niagara Parks Commission coloured film, (on scenes from Fort Erie to Fort George) has been shown sixteen times during the year to different schools and service clubs, on both sides of the Niagara River.

Student Activities

Apprentices Harry Staats, Sam Sykes, and Jack Allatt attended the "D" Company, Lincoln and Welland Regiment Camp at Niagara-on-the-Lake for two weeks starting July 4, 1943.

Apprentice Ernest Van Slyke spent two months at Queen's University, Kingston, Ontario, from the first part of June to the second week in August. He took Roland Barnsley's (graduate and scholarship winner of Year '40) place in caring for a Russian dandelion project at the University.

All the students and the staff of the Training School attended the staff dinner and dance at the Park Restaurant on the evening of June 28.

Wednesday, December 22, 1943, at 3:30 p.m., a Christmas dinner was celebrated in the Training School dining-room. This, an annual treat for the apprentices, was attended by the General Manager, Mr. M. T. Gray, and some of the Park Commissioners, who presented scholarship awards and Christmas gifts to the students. The student body was allowed to depart from the School for their Christmas vacation after the banquet was finished.

New Projects

Delay in planting the potatoes, caused by flooded fields, was responsible for considerable sprout growth on the potato tubers in the frameyard. As an experiment, cuttings were made from these sprouts starting June 8, and these were rooted under glass and later transplanted to the field. Although the season was not favourable many of these potato cuttings produced average-sized tubers, and some even produced two or three fair-sized potatoes. We can use these for seed potatoes next year.

Twelve young pigs were purchased June 7 upon the completion of a new pig-sty, built by the park carpenters, south-west of the residence. These were fed scraps from the kitchen and then finished off with a meal largely composed of grain which had been grown at the nursery in the 1942 season. Two or three of them were killed before Christmas and helped to alleviate the meat shortage. The rest will be killed at a later date.

A start was made, on Friday, July 23, to construct a new road for Army post No. 8, when a tractor (with mower) was used to cut a "highway" through the grass from a point, midway between the Half-Way Road and the parking-space on the north side of the Whirlpool. The grass was cut to make it easier for the engineers to survey the road. The following week the road was surveyed by Mr. Nelson McCartney and in September and October the soldiers helped to construct the road into their post. It is hoped that a postwar project will complete this road as far as the Training School.

Additional sodding of paths in the Rose Garden was accomplished this fall.

To allow the cutting of wood on Foster's Flats down in the Niagara Glen and its removal to the top of the gorge, the work of widening the old ox trail opposite the School Gates was commenced November 23, 1943.

The work on the herbarium was continued with the addition of a considerable number of new species. The specimens are being filed and preserved in the excellent boxes provided by the Commission for this purpose.

In response to numerous requests, a number of informative articles have been prepared and published in various popular and scientific periodicals. Typical are: *The Vegetative Propagation of Evergreens; A Canadian School for Apprentice Gardeners; Potato Propagation by Stem Cuttings; The Preparation of Biological Specimens; Fruits of the Forest; The Elderberry; A Valuable Native Fruit; Choose Your Own Brand of Tea; Wild Flowers Suitable for Cultivation*, etc.

A report on the unusual variety of native plants which flourish in the Niagara Parks System was prepared and published by the Ryerson Press in a volume entitled, "*Plants of the Niagara Parks System of Ontario*".

Students

A new student, Kenneth Montgomery, from New Liskeard, enrolled at the School, January 5, 1943.

Another new student Bernard Bedard, enrolled January 23. He was from North Bay, Ontario.

Douglas Gemmell, from Brussels, and Malcolm Scott, West Lorne, arrived at the School February 4, 1943.

In addition to the thirty students (including graduates) mentioned in previous reports, a few more have enlisted in the services this year.

Apprentice Ernest Van Slyke, who enrolled at the School in January, 1942, enlisted in the R.C.A.F. in November, 1943.

Apprentice Colwyn Greenwood, who enrolled at the school in November, 1942, enlisted in the R.C.N.V.R. in November, 1943.

Apprentice Douglas Gemmell, who enrolled at the School in February, 1943, took employment in the Elementary Flying and Training School No. 9, at St. Catharines, when he left the School, October 22.

Conclusion

Again, during the summer and fall of 1943, raspberries, tomatoes, tomato juice, peaches and chili-sauce were preserved. We were not able to preserve all the fruits with sugar, on account of the rationing. Consequently we preserved the raspberries with Fruit-Kepe, a preservative placed on the market by the British Government. All the other fruits were canned with sugar. The fruits and vegetables preserved numbered approximately 1,220 quarts.

May I permit myself to say that during this period the general conduct of the students has been satisfactory.

A Press Story of School

The following Canadian Press story on the work of the School for Apprentice Gardeners is used only as an example of the interest which the School has aroused over a wide area, the story appearing in Canadian daily papers from coast to coast:

> Niagara Falls, Ont. (CP)—Garfield Buchanan, 20-year-old flower lover from Echo Bay, near Sault Ste. Marie, had an idea a few years ago he would like to be a landscape gardener but didn't know how to go about it.
>
> He wrote to the Ontario Department of Education about his interest in growing things. As a result he is one of the students at the Training School for Apprentice Gardeners, operated by the Niagara Parks Commission between Niagara Falls and Queenston.
>
> Learn Hard Way
>
> Students at this school—believed to be the only one of its kind on the North American continent—are learning about gardening the hard way. In summertime they work in the fields from 8 a.m. to 5 p.m. and in winter they spend alternate weeks in district greenhouses of the Parks Commission and in their classrooms where K. M. Broman, superintendent of agriculture and school principal, G. H. Hamilton, botanist and entymologist, and George Pickard, chemist, get away from practical "dirt farming" and give the students some "book learning."
>
> If Buchanan, who is awaiting his Army call, does not finish his three-year course before he dons a uniform, he intends to return to the School after the war to finish his studies and then go on to realize his ambition.
>
> Another pupil is 17-year-old Conway Blanchard of Niagara Falls who is interested in zoology and the relation of wild life to agriculture.
>
> Planning to investigate the possibility that the Federal Government entymology department might be interested in zoology, young Blanchard hopes to go to Ontario Agricultural College at Guelph for further study before he branches out for himself in the field of entymological research in its relation to zoology. "I want to learn the best way to eradicate the destructive forces of such wild life found in the rural areas as raccoons, ground hogs, birds and snakes," said Blanchard.
>
> Occupies Many Areas
>
> Started in 1936 by Hon. T. B. McQuesten, Chairman of the Niagara Parks Commission, the school occupies many acres of Commission land and there one can find samples of practically everything that will grow. There is a large arboretum where numerous varieties of trees have been planted—and right back of the school's buildings is a field of herbs. From small beginnings the school has grown in physical proportions with the students themselves, under Mr. Broman's direction, having improved and extended the buildings and beautified the layout by landscaping.

> Undermanned this year because of the war—30 students are in uniform—the remaining 16 boys are working like Trojans to keep their acres in condition. Students are paid $5 a week during their first year, $6 the second and $7 the third. They also receive their board and lodging and are allowed lengthy Christmas and Easter vacations.
>
> When the school was organized only lads of 18 years and over, were admitted as students but war's demands have forced a reduction in the age to 16. An arrangement whereby top boy in each year's graduating class would have gone for a year's study at Kew Gardens in London, England, also was interrupted in its fulfilment because of the war but will be resumed after the conflict.

In connection with the above, it will be of interest to note that boys who have enlisted and who wish to return to the school at the end of the war, that they may brush up their practical and theoretical work before launching into peacetime activities include: Jack Benner, Larry Boyce, John Cockerill, R. L. Curtin, George Dalby, Robert Donaldson, Conrad Eidt, Douglas Gemmell, Raymond Gordanier, Leonard Joylyn, Fraser McClung, Gordon McNair, William Rundle, Needham Throop, Ernest Van Slyke and James Whitehead.

Military Road

The Commission authorized the building of a road to one of the military posts south of the Training School for Apprentice Gardeners. The road is approximately 1500 feet long, and forms a part of the ultimate plan for the completion of the layout of the Arboretum at the School for Apprentice Gardeners. Under the stress of necessity the military had been driving across the grass to reach the military post in question. The Commission supplied the stone and superintendence and the Army supplied men to rake stone and dig ditches.

Mather Park Improvements

From the estate of the late Alonzo C. Mather the sum of $100,000 is held by the Niagara Parks Commission, awaiting postwar conditions. The Board received and approved further plans for the development of Mather Park, located south of the Peace Bridge entrance to Canada, and north of Old Fort Erie. The plans feature a community building and an obelisk to commemorate the gift of Mr. Mather, and the grounds are to be landscaped in keeping with the proposed new structures and the present Mather Memorial Arch entrance to Mather Park. Work is not to be carried on, however, until Victory is won. The plans are complete and ready for a call for tenders when the time comes.

Increase in Power Production

Because of the wartime need for maximum power production, the plants located within the Commission's properties, in Queen Victoria Park and at the Chippawa-Queenston power canal outlet, reached maximum figures. The Canadian Niagara Power Company was given permission during the year to develop horse-power up to the capacity of the plant. This was authorized by the Power Controller and approved by the Commission as a war measure.

A New Agreement

One new agreement was made during the year, major in the sense that it was not a minor one such as putting a waterline under the roadway to serve some resident of the parkway, though perhaps not from the standpoint of a large amount of money being covered. The agreement was with the Canadian Niagara Power Company, to allow of an additional ice sluiceway at the outlet end of their forebay in Queen Victoria Park. None of the effect of this construction is visible from the park road, but the additional facility cost the Canadian Niagara Power Company $10,000.

Boundary Survey

Following authority given two years previously, the General Manager has had a careful boundary survey made of the west boundary of the Niagara Boulevard from Black Creek northerly to Lot No. 6, Broken Front Concession, Township of Willoughby, a matter of one mile. This is part of a work which will be carried on from year to year, in order to properly monument and establish the boundaries of the Commission's properties. Any new property taken in by the Commission is carefully surveyed, and marked, and old boundaries will be re-established from time to time. Standard specifications have been prepared by the General Manager, to be followed by any land surveyor employed by the Commission to do this work. Upon completion of each survey, the plan, together with the field notes, is deposited in the proper registry office under the Custody of Documents Act.

Purchases of Property

The Commission authorized the purchase of the W. R. Brodrick property which fronted on the boulevard near Paradise Grove. This property consists of approximately six acres on the river side and approximately 40 acres on the westerly side of the road directly opposite, the land purchased being all the property owned by Mr. Brodrick, taking possession Jan. 1, 1944. The purchase price was $17,500 for the 46 acres of fruit land. A year's lease for 1944 was given to R. W. Gill, tenant.

Two parcels of the Larkin property at Queenston were offered to the Commission, 38 acres of wood lands and a strip of land from the Hydro lands, Queenston Power Plant to Queenston Park. The Commission considered that the prices asked were too high and laid the matter over.

Purchase of the Mrs. Horner property, adjoining Fort George on the North, at Niagara-on-the-Lake, was effected at $1,500. The property has a frontage on the road which runs by the Fort, of 209 feet, and a depth to the edge of the hill of 147 feet.

The Longhurst Property, consisting of part of the Military Reserve and part of Lot No. 23, in the Township of Niagara, was purchased at $8,500.

Finale was written to a long-expropriated property when the Commission agreed with the estate of W. K. Jackson, who owned Lot 19, Niagara Township, expropriated in 1929 but without settlement. The property consisted of a frontage of approximately 1,300 feet on both sides of the river. The Commission secures all the river front property and a depth of 25 feet more or less on the west side of the road. The Commission agreed to pay $6,000 and U.S. exchange to plant a hedge as soon as possible to delimit the new front line, and to give an agreement for water pumping rights.

Distinguished Visitors

In addition to the party of Prime Minister Winston Churchill, of which mention has previously been made, distinguished visitors during the year included Messrs. Faber, Harrat and Howard, prominent publishers from England, who were escorted by Dr. Pierce, President, and Mr. Dickinson, General Manager, Ryerson Press, Toronto; Sir Howard d'Egville, secretary of the British Empire Parliamentary Association and party, who were entertained at dinner at the Park Restaurant and at Luncheon at the Queenston Restaurant; Mr. William Partin, member of the Cotton Board, Australia; Sir William Glasgow and party; Hon. Ray Atherton, American Ambassador to Canada, and party; Lord De La Warr, chairman of the Agricultural Research Society in Britain.

During the season in which the Park Restaurant was operated, the Commission was host to a party each Sunday evening, of members of the R.A.F., R.C.A.F., and R.A.A.F., dinner being served to about one hundred fliers each Sunday. A letter was received from Air Vice-Marshal McGill, thanking the Commission for hospitality extended to members of the Empire Air Forces.

The Commission was host at the dinner in connection with the annual convention of the Ontario Parks Association, Dr. George B. Snyder, Vice-Chairman, presiding. John Oakes, Chief of Horticulture of the Niagara Parks Commission, is president of the Ontario Parks Association, and Niagara Parks Commissioner A. T. Whitaker is secretary-treasurer.

The Commission was also host at a dinner to the officers of the Navy League of Canada, who met in Niagara Falls on a Dominion-wide basis for the first time in the history of the organization. The officers expressed appreciation of the hospitality shown by the Commission to parties of men of the Navy in weekend gatherings in the Park Restaurant, as well as for the hospitality of the Commission to the Navy League.

A Generous Gift

A generous gift received by the Commission during the year was a parcel of tree seeds from the Government of the Argentine, which were sent to the nurseries at the School for Apprentice Gardeners. The following resolution was approved: "That the thanks of the Niagara Parks Commission be extended to the Government of the Argentine Republic for the gift of seeds of trees and shrubs to the Commission, for use in its arboretum, and that Jorge Peralta-Rames, Assistant Consul, Consulate of the Republic of the Argentine, Montreal, be asked to extend these thanks to his Government and also to accept our thanks for his assistance in seeing that the gift of his Government was well handled to its destination."

A book on "The Eighth or King's Regiment of Foot" was donated to the Commission by Walter Peacock, and a water clock was the gift of the Chairman. The Commission expressed its appreciation of these generous donations, as later to the Chairman for his gift of two crayon pictures of Niagara Falls.

Grants Made During Year

The customary grants made during the year (none being new) were:

Women's Wentworth Historical Society (for upkeep of Stoney Creek Memorial), $800.
Niagara Falls General Hospital, $200.
Niagara Falls Chamber of Commerce, $300.
Niagara Falls Collegiate Institute and Vocational School, scholarships, $25.

Plants of the Niagara Parks System

During the year the Commission issued, through the Ryerson Press, Toronto, a very fine volume on "Plants of the Niagara Parks System", written by George H. Hamilton, B.A., M.Sc., science teacher of the Niagara Falls Collegiate Institute and of the School for Apprentice Gardeners. Copies were sent to the Federal and Ontario Parliamentary Libraries, to the Congressional Library, Washington, D.C., to the libraries of Ontario Universities, and to other libraries in Ontario, and review copies sent to principal newspapers in Canada. The volume was well received, and highly commendatory letters and newspaper reviews expressed appreciation of the manner in which the flora of the Niagara Parks System was thus made known. The volume was printed on coated paper with illustrations in colour and in black and white, bound in green buckram, and will be a valuable aid to amateur botanists. It is priced at $4 for public sale.

HISTORY OF THE NIAGARA PARKS

In similar format, a "History of the Niagara Parks Commission" with Ronald Way, historian of the Niagara Parks Commission as author, was put to press at the close of the fiscal year. The last such history was prepared in 1894 and the record is thus brought up to date.

LIPSTICK ON WALLS DREW ATTENTION

Other than the visit to Niagara Falls and the Queenston Heights Battlefield area by Rt. Hon. Winston Churchill, perhaps the story which aroused the greatest amount of public interest and resulted in hundreds of columns of newspaper space over the United States and Canada, was the action taken by the Commission's officials to stop the growing practice by visitors of writing, with lipstick, their names and addresses—with some personal comment—on the cutstone top of the wall extending from the Rainbow Bridge to the beginning of the walk down the incline to the Maid-of-the-Mist Landing, and on the cutstone surface of the Clifton Gate Building. The wife of a New York City policeman was the first accused. She was given the opportunity of scrubbing off the writing, but failed utterly, as the lipstick was impervious to scrubbing. Names and addresses of "doodlers" were taken from the lipstick roster, and they were notified of the offense which they had committed.

A NEWSPAPER VIEW

The "hometown" attitude towards the scribblings was shown in the following editorial which appeared in the Niagara Falls, Ontario Review:

> #### SCRIBBLING LIPSTICK ON PARK WALLS MUST BE STOPPED
>
> The Niagara Parks Commissioners have acted wisely to curb the unsightly practice of smearing the beautiful stone wall along the Niagara River Bank with lipstick. Many women visitors to this tourist centre and even local people have thoughtlessly scrawled their names on the stone work, the bright red letters dyeing the stone and marring the appearance of the wall. Soap and water, gasoline or even muriatic acid does not remove the lipstick and it is feared that the practice may be extended to the beautiful stone wall of Oakes Garden Theatre. The Commissioners, therefore, have instructed park policemen to have any person caught defacing the stone wall with lipstick perform the embarrassing task of trying to scrub it off with soap and water in public view.
>
> It is difficult to believe that persons visiting such a beauty spot as the parks and gardens around the falls would want to mar it by smearing lipstick on the stone work. The lipstick presents a hideous spectacle as if red paint had been daubed along the walls. Names and addresses have been written by these persons scribbling on the stone work and they will receive stern letters from the Commission. A still more effective penalty would be to have those persons and any others caught in the future brought into court and fined.

The Commission referred to chemical experts the problem of eradicating the lipstick, and several methods of chemical treatment were tried. None of them was effective, however, and the Commission finally authorized the purchase of an electric grinder, with the object of grinding down the surface an eighth of an inch, thereby removing the hideous marking in varied shades of red. This method is at present proceeding apace and is quite satisfactory.

COMPLETION OF NIAGARA RIVER WEIR

During 1943 was completed the building of the weir across the Niagara River, south of the intake of the O.H.E.P.C. plant above the upper rapids. The purpose was two-fold, to divert additional water over to the American side to increase the amount of water available for power purposes for American war plants, which were urgently needing that additional power, and to bring about a lessening of the vast volume of water which falls over the Horseshoe Falls, wearing away the brink through the action of the spray on the shale underlying the limestone cap, and lessening, therefore, the weight which that cap has to carry.

The new weir was formed of an undercurrent wall of huge quarried stones, weighing up to 20 tons each, carried out by cables to the spot in the river where needed. These cables were strung from a derrick on the Canadian land side, and from another derrick erected at the edge of the water-division line on the American side. Last year's report told of the progress of the work. Let the tale be brought up to date by reproduction of the story as told in the O.H.E.P.C. "Hydro News", December, 1943 issue under the heading "Taken for a Ride".

> Spanning approximately half a mile of tossing, turbulent water at the brink of the treacherous rapids near Niagara Falls between the Canadian and American sides of the river is an overhead cableway which is capable of carrying a ten-ton load.
>
> On a recent visit to this area, Hydro News had the thrilling experience of taking a ride in an "inspector's car," which is operated over this electrically-controlled aerial route. From this car, it is possible to obtain a close-up view of the submerged weir which has been built in the Niagara River.
>
> The project is designed to perform several functions. By redistributing the flow of water so that a greater quantity passes down between the two ends of the weir and the Canadian and American shores, it will lessen the process of erosion at the Horseshoe Falls and, at the same time, make possible the generation of additional power on both sides of the International Line. In other words, it maintains the appearance of the American Falls, by causing a greater flow there, and increased the level at the intake of the Hydro's Queenston Plant and of the American Power plants.
>
> In undertaking the project, engineers were first confronted with the necessity of erecting a cableway which would be capable of conveying massive rocks and depositing them in the right place in the river. The first step was the creation of an artificial island off Goat Island on the American side, the two islands being linked by a 2,200-foot causeway. On the artificial island, and on the Canadian side of the river near Chippawa, massive steel towers were erected. Each tower, weighing approximately 500 tons, including counter weights, tapers up from a broad base to a height of 155 feet. The wheel bases of both towers rest on standard gauge rail tracks, one track being tilted at about a 45-degree angle to help counterbalance the pull on the towers, while heavy slabs of concrete provide additional counter-weights.
>
> **Used Kite and Piano Wire**
>
> After the towers had been erected, the next problem was that of getting a 2½-inch steel cable across the half-mile stretch of twisting rapids. Last year, Hydro News featured a story which told how this feat has been accomplished by tying fine piano wire to a large box kite which, with a favourable wind, was flown from the Canadian side of the river to the artificial island on the American side. (This story was incorporated in last year's report of the N.P.C.). Actually the kite was sent aloft 2,000 feet downstream from the tower on the Canadian side. Unexpected success was attained on the very first venture, and the piano wire was used to pull over a wire of greater diameter. A tedious sequence of operations followed as heavier wire was spliced to lighter wire and pulled across until eventually the 2½-inch steel cable had been hauled over to form the 2,605-foot cableway which is now linked to the towers. The head tower with controls and hoisting equipment is located on the Canadian side.
>
> E. K. Beam, resident Hydro engineer, on the project, explained to Hydro News how the cableway conveyor dropped each rock in position by means of signals from a transit station located about 1,000 feet from the head tower.
>
> From the bank of the river the location of the weir, which starts about 400 feet from the Canadian shore, can be detected by the white caps tossed up by the water as it sweeps over the now completed weir in its onward rush to the cascading descent over the Falls.
>
> The weir was constructed under the supervision of an international committee of which Otto Holden, chief hydraulic engineer of The Hydro-Electric Power Commission of Ontario, is a member. C. G. Cline of the Dominion Water and Power Bureau is the other Canadian member and the United States is represented by Colonel John R. Silkman, of the War Department at Buffalo, and Roger B. McWhorter, of the Federal Power Board, Washington.
>
> Observation of water levels indicate that the weir is fulfilling its various functions satisfactorily.

The steel towers used to carry the 20-ton stones to create the weir are still in position, and it is the understanding that they will so remain until the end of the war. One is built directly across the Niagara Boulevard north of Chippawa, but as the roadway from Dufferin Islands to Chippawa is closed because of the necessity of maintaining military guard over the war installations, and the tower is not far from the first of these where the Upper Rapids begin, it is no further hindrance to traffic, which does not exist under wartime conditions.

THE WORK OF THE NIAGARA PARKS COMMISSION

While the Niagara Parks Commission work has been carried on for many years, and the surface results are quite visible, it may not be amiss in this report to present a resume of the achievements of the past half-century. The following was prepared by Ronald Way, historian of the Niagara Parks Commission:

Ontario's Niagara Parks

Just over half a century ago, the foresight of Ontario's Government gave birth to the Niagara Parks. Located in the famous Niagara Peninsula of the Province of Ontario, they border the Canadian bank of the Niagara for its full length from Lake Erie to Lake Ontario. Thirty-five miles of magnificent parklands include internationally famed gardens, rare floral displays, ancient fortifications, old battlefields and historic sites of interest and significance to the whole world. Sentiment and history are here combined with the handiwork of nature and man at their best. The places for viewing the full majesty of the Niagara River, above and below the mighty cataract, are preserved in a state of natural beauty for the pleasure and advantage of countless visitors from every part of Canada, the United States and the world.

Before the establishment of the Niagara Parks, the Falls had been the lair of rapacious cabmen and unscrupulous concessionaires located on both the Canadian and American shores for the ruthless exploitation of visitors. To the late Lord Dufferin, Governor-General of Canada from 1872 to 1878, belongs the credit for the first official action toward the betterment of conditions, so that he has been called by many "The father of the international parks at Niagara Falls". It was in 1878 that His Excellency made his appeal, but not until 1885 was an act finally passed by the Ontario Legislature creating the Queen Victoria Niagara Falls Park Commission with wide powers over the Canadian bank of the river.

The original Queen Victoria Park contained only one hundred and fifty-four acres and was one of the earliest experiments in self-supporting public ownership. Today, the area under the control of the Commissioners is more than sixteen times that of the first park property and represents assets in lands and buildings in excess of $6,000,000.00. Their jurisdiction now extends over an aggregate of some 2,600 acres, comprising Queen Victoria Park, at the Falls, Queenston Heights Park, Niagara Glen, the Old Fort grounds at Fort Erie, the historic Fort George area and Butler's Burial Ground at Niagara-on-the-Lake together with the talus lying between the Reserve and the water's edge, and finally, the Chain Reserve along the river, including the lands purchased for boulevard purposes between Queen Victoria Park and Fort Erie.

Policy of the Niagara Parks Commission

In the improvement and development of the Niagara Parks the general policy of the Commissioners has been determined by three distinct characteristics of the district committed to their special care. As the location of the Falls proper, the area has a scenic character known throughout the civilized world; as the meeting-place of the First Legislature of Upper Canada and the theatre of some of the most stirring scenes and heroic fighting of the war of 1812, it has memories for Canadians that will never die; and, as the scene of one of the most wonderful hydro-electric developments in the world, it has special attraction for those interested in the mechanical arts.

The physical aspect has been concerned with such matters as landscaping, gardening and the location and design of necessary structures. While the original conception of the Government and the Commission was no more than the acquirement and preservation of lands immediately surrounding the Falls, that initial scheme broadened and widened to practically embrace the whole territory along the shore of the Niagara River. Because of this extensive topography, it was realized that a variety of decorative treatment was essential. Each park in the system, as well as the various sections of the boulevard, required distinctive designs in order to produce the best scenic effects, not only in each individual park but throughout the whole area. During the work of improvement in the vicinity of the Falls, only the desirable features of the existing landscape were preserved and, wherever possible, the utilitarian and the ornamental were combined. The unification of the existing features with those introduced to enhance the aesthetic qualities of the scheme, and the proportion in which other features should be employed, were carefully planned so that each would contribute to the harmony of the whole. At the Niagara Glen, on the other hand, every consideration has given way to that of preserving the wild and rugged qualities of the natural scenery, with the sole exception of providing in an inconspicuous manner facilities for making this spot accessible to the public. In the ornamentation of the Niagara River Boulevard, the sections were not considered individually, but as a whole, each being so proportionally and relatively adapted as to form units of a harmonious design and to create when fitted together, a normal state of completeness.

With respect to gardening, the early policy of the Commission was to secure, as far as was possible, specimens of all the desirable trees, shrubs and flowers which might reasonably be expected to thrive within the Park. Through the continuation of this policy there gradually developed a comprehensive botanical garden, the object of which has been the collection and preservation of flora indigenous to the country, together with the introduction of useful and ornamental exotic subjects, so that Horticultural and Botanical Science might benefit materially. Marked advances have lately been made through the extension of the flower beds in Queen Victoria Park, the building of the Oakes Garden Theatre, the planting of the talus to make the banks of the Niagara gorge more attractive, the beginning of an arboretum along the Niagara Glen and liberal planting of flowering trees along the full length of the Niagara River Boulevard, and indirectly by planting out extensive nurseries with seeds, cuttings and nursery tree and shrub stock to provide for future plantings.

In the location and design of necessary buildings and structures, the advice of eminent landscape architects has usually been sought. Whether for public convenience, the requirements of the power companies or for the purposes of Park administration, the primary thought in planning all artificial constructions has been the achievement of complete harmony with the scenic surroundings. Generally speaking, they are unobtrusive but handsome structures, simple in treatment, with proportions that appeal to the eye yet balance and blend with the environment. The aim of the Commission has been to make buildings and structures noteworthy, not in themselves, but only in what they are able to add to the Park in the way of accessibility, safety and convenience.

The educational policy of the Niagara Parks Commissioners has been threefold. First, through the preservation of scenic beauty and the creation of aesthetic values, they have cultivated a public appreciation of the beautiful. Second, through the application of scientific gardening they have created opportunities for the study of Horticulture and Botany, notably in the establishment of a school for apprentice gardeners. And third, through the preservation of historic memories they have contributed in no small measure to the development of patriotism and the highest qualities of Canadian citizenship. The latter aspect is a somewhat unorthodox departure from the usual conception of park planning and requires an explanation. Throughout Ontario's Niagara Parks is perhaps concentrated more vital history than in any similar area of North America. Every mile or so along the Parkway from Lake Erie to Lake Ontario the traveller reaches the scene of some past event which has influenced the destiny of this country. To mark these sites, the Commissioners have encouraged, or themselves undertaken, the erection of monuments and commemorative tablets. Furthermore they have embarked recently upon a programme of historical restorations. The policy of rebuilding important structures such as Fort George, Navy Hall, Fort Erie and the William Lyon Mackenzie home, instead of merely preserving the unintelligible ruins has contributed to the teaching of Canadian history and the development of patriotism and high ideals.

On the purely financial side, the work of the Niagara Parks Commission ranks with any similar achievement in modern times. Apart from guaranteeing the various bond issues, the Provincial Legislature has not been called upon for assistance. Throughout the almost three score years of the Park's history, the various members of the Commission almost without exception men of extensive affairs and pressing responsibilities in other directions—have given gratuitously time and attention, which otherwise might have been employed to their personal advantage, in order to plan and execute every financial measure necessary for the creation and preservation of the Niagara Parks. To start with nothing but goodwill in the form of the guarantee of debentures, to meet all interest charges, to pay off every bond issue as it became due and at the same time constantly improve and adequately maintain the expanding park system is an accomplishment in which the people of Ontario may well take pride.

Recent Achievements

Brief descriptions of some of the latest achievements of the Commission may be of interest.

Oakes Garden Theatre

A comparatively recent addition to the beauties of the Niagara Parks is the Oakes Garden Theatre, located a mere stone's throw to the north of Queen Victoria park on the former site of the world-famous Clifton Hotel, which was swept by fire in December, 1932. This garden project, begun in 1935, was named in honour of the late Sir Harry Oakes who donated the land and it was decided to devise the landscaping so as to take advantage of the difference in levels on the side of the Clifton Hill. The architectural design chosen by the Commissioners was that of a unique amphitheatre which in some respects suggests the theatres of the ancient Greeks, although with many radical departures as to detail. It is fan-shaped, with the stage so placed that the panorama of the Falls forms a natural backdrop, while at the rear there is a curved pergola connecting two open pavilions, one oriented on the axis of the Horseshoe Falls, the other on that of the American Falls. Sloping terraces, rock gardens, lily ponds, shrubbery and wide promenades adjoin the amphitheatre, the whole being surrounded by an ornamental stone wall. In conjunction with the unrivalled location, no place could be more lovely in architecture, landscaping and appeal. The formal opening of the Oakes Garden Theatre took place on September 18, 1937, and since then the fame of this garden development has spread far and wide until it is today one of the chief attractions of the Niagara Parks. Within its amphitheatre, choral programmes, band concerts and exhibitions of folk dancing have been presented from time to time under the auspices of the Commissioners, proving that in addition to being superbly beautiful the Oakes Garden Theatre can also be utilitarian.

Rainbow Gardens

When the present Rainbow Bridge was constructed to replace the former Falls View Bridge, destroyed by an ice-jam on January 27, 1938, the bridge authorities and the Niagara Parks Commission co-operated to make the Canadian terminal an outstanding example of beauty and utility. In 1941, the Commissioners undertook the landscaping of an area in the vicinity of the bridge to harmonize with the formal style of the neighbouring Oakes Garden Theatre, the latter being extended to form a direct connecting link with the bridge plaza. This new development known as the "Rainbow Gardens" has followed the same levels as the Oakes Garden Theatre and shares the general theme of broad lawns studded with gardens of intricate design.

Adjacent to the Oakes Garden Theatre and constructed at the same time, is the impressive "Clifton Memorial Arch", which has been erected to the memory of the early pioneers of Canada. Symbolic historical figures in bold relief are carved upon its limestone faces, together with appropriate inscriptions and names of persons who lost their lives during the struggle for responsible government. The principal inscription is as follows:

> "This Memorial was erected to Honour the Memory of the Men and Women in this land, throughout their generations who braved the wilderness, maintained the settlement, performed the common task without praise or glory and were the pioneers of political freedom and a system of responsible government which became the cornerstone of the British Commonwealth of Nations."

River Road Reconstruction

The River Road which follows the edge of the gorge within the municipality of Niagara Falls has been under the control of the Commission since 1888. When, in 1932, the International Railway Company abandoned its right of way upon this section of the Parkway, it became possible to transform a narrow and dangerous roadway into a widened modern highway. During 1935 and 1936, great improvements were made in this connecting link between Queen Victoria Park and the Parkway area north of the Whirlpool Rapids. The tracks and ties of the electric railroad were sold and taken up, a stone parapet wall paralleled by a sidewalk with a two-step curb was erected for the safety of both motorists and pedestrians and the entire roadway was widened and repaved. Alterations were also carried out in the vicinity of the Lower Arch Bridge, where unsightly buildings which disfigured the bridge approaches was set out near the Whirlpool Rapids. At a ceremony that took place on October 10, 1936, the vastly improved River Road, now a credit to the Park and the municipality was officially opened to the public.

New Restaurant at Queenston Heights Park

The original restaurant at Queenston Heights, constructed in 1900, had been poorly placed and after many years' service was considered both obsolete and out of keeping with its surroundings. The Commissioners, therefore, undertook the erection of a handsome modern restaurant of Queenston limestone, roofed in red tile, and more in harmony with the general style of architecture throughout the Park system. Work was commenced in November, 1939, and completed by June, 1940, the old structure being removed at the same time and the site graded and planted. The former building had been located without regard to possible vistas, but the new Queenston Heights Restaurant occupies a delightful spot on the brink of the escarpment where diners may enjoy a magnificent view extending to Lake Ontario.

The School for Apprentice Gardeners

The Apprentice Gardeners School of the Niagara Parks Commission, founded on July 26, 1936, is the only institution of its kind in North America. Courses in Horticulture are available at many colleges, but a boarding school with full-time employment in practical work, and theory only as a side-line, was a new idea in Canada or the United States. In establishing the School, the Commissioners had realized that most of the small and ever-dwindling supply of expert gardeners available in this country were elderly men who had come out originally from Great Britain and, since such emigration had practically ceased, there was an urgent need for the training of Canadian boys in this work.

Organized upon British lines, the Training School offers a comprehensive three-year course in an institution that has eighty acres of fertile soil for its principal class-room and the entire area of the Niagara Parks for the execution of project work. The curriculum includes botany, chemistry, soil and fertilization courses, surveying, landscape gardening, flower cultivation, vegetable gardening, tree surgery, fruit growing and management. When weather permits, the emphasis is upon practical work, but in winter open-air work is generally impossible and more time is devoted to lectures.

The young men live at the Training School in an attractive stone residence known as "The Bothy", of which the nucleus is an old Colonial farm house to which additions have been made so as to provide accommodation for twenty-four students. The boys care for their own quarters and all the vegetables consumed at the School are grown on the property.

The seven years that have elapsed since the founding of the School have shown the project to be both practical and workable and its radically different methods of instruction have won favourable comments from educationalists everywhere. Graduates have fitted excellently into the permanent staff of the Niagara Parks Commission, while those who have entered into private enterprises have been uniformly successful. The site of what was once a rough farm with coarse undrained soil, not too high in nutritive qualities, contrasted with the level area now visible with its iris, rose and perennial gardens, the excellent vegetable garden, the nursery section and other developments which have been brought into being by the students themselves, never fails to win commendation from all who visit the School and its grounds.

Mather Park

Mather Park at Fort Erie is a new addition to the Niagara Parks System and has been named in honour of the late Alonzo C. Mather, a wealthy inventor and manufacturer of Chicago, whose generous gift of land and money contributed greatly to park establishment at this location. Almost half a century ago, Mather had planned to finance the cost of a bridge between Buffalo and Fort Erie on a site close to the location of the present Peace Bridge. Although successful in acquiring considerable acreage on the Canadian side for a terminus, he failed to secure the complementary terminus on the American shore.

Several years before his death, this visionary, who was also a philanthropist, gave to the Niagara Parks Commission seventy-five acres of land, fronting on the Niagara River immediately south of the Canadian approach to the Peace Bridge, together with the sum of $35,000 towards the development of a park and the erection of a memorial gateway on the site. The project was undertaken without delay and an outstanding event of 1940 was the official opening of Mather Park on August 31st, when a service of dedication was carried out within the completed Memorial Gateway, which is an impressive arch in modern monumental design, located at the important junction of the Peace Bridge outlet from Buffalo, the Niagara River Boulevard, the Garrison Road and the provincial highway leading to points in Western Ontario.

In January of the following year, the death of Alonzo C. Mather occurred at the extreme age of ninety-two. That his affection for Canada and especially for the Niagara district was unusually deep was still further revealed in his will, by which he left the sum of $250,000 jointly to the Peace Bridge authorities and to the Niagara Parks Commission, to be spent for the erection of suitable memorials to the memory of Canadians and Americans who have contributed to the building up of friendly relations between their two countries and in maintaining and beautifying Mather Park. By an agreement arrived at during the probate of the will, the general terms of the bequest have been translated into a number of specific projects such as a modern lighting system at the Peace Bridge, the erection of memorial plaques on the bridge, and the landscaping and improving of the Mather Park lands, together with the construction of a memorial building at the Canadian entrance of the bridge.

Although Mather Park is still in a state of development, a great deal has already been accomplished. By means of a recently completed seawall, lands have been reclaimed from the Lake and the Park now extends from the Peace Bridge to the grounds of the Old Fort—a distance of half a mile. All told, a total of 325,000 cu. yds. of earth fill was used to reclaim the lands which have been reclaimed to date. On the southerly end of the Park area an additional 1,000 yds. approximately, will be required. With its beautiful arch; attractive gardens, bold sweep of traffic circles and promise of arboricultural developments, Mather Park is destined to be a place of rare beauty and a fitting entrance to the Niagara Parks.

Projects for the restoration of historic sites have occupied an important place in the work of the Niagara Parks Commission for almost a decade.

Old Fort Erie Restoration

On the brow of a slight promontory overlooking the point where the Niagara River disgorges from Lake Erie, is the Old Fort from which the town of Fort Erie, Ontario, derives its name. The present Fort Erie, the third fort to occupy the site, was erected just prior to and during the troubled days of 1812 to 1814 when the United States and Canada were at war. Captured by the Americans, in turn besieged by the British, the Old Fort was the scene of one of the most desperate struggles along the Niagara Frontier. Construction of the Fort was authorized on January 9, 1804, and the intention was that it should consist of four bastions connected with curtains in the form of a simple square with all works and buildings constructed of solid masonry. The work was proceeded with intermittently, and when war broke out in 1812 the fort was not nearly completed. On July 3, 1814, Fort Erie was attacked by 4,500 Americans under General Brown. In the British garrison were only 170 men and after a few shots Major Buck, the British commander, surrendered.

The Americans strengthened the fort and under the direction of their engineers prepared an extensive enclosed camp. On August 14, 1814, the British under Lieutenant-Colonel Drummond made a valiant but futile assault on the fort. In November the Americans recrossed the river and abandoned the fort. Before leaving, however, the buildings were extensively mined and the fort was almost completely blown up. In 1825 a commission sent out by Lord Wellington reported "The remains of an old fort, and a range of barracks perfectly in ruins and abandoned".

The work of restoration was begun in the spring of 1937 under a joint scheme sponsored by the Ontario and Dominion governments, and was completed July 1, 1939, when the fort was officially opened. The objective was the reconstruction of the third Fort Erie exactly as it stood in its most famous hour—on the night of the British assault August 14, 1814. Although it has not been possible to reconstruct either the American or British entrenchments, outside the fort, the restoration of the fort proper has been founded upon careful research and painstaking workmanship. Some of the barrack rooms are now refurnished as they were when occupied by soldiers of more than a century ago; others display separate and specialized collections including some three thousand buttons, regimental badges, and buckles, and even the leather of shoes that the soldiers wore—all excavated from the ruins during the restoration. Among grim mementoes of the siege are bayonets bent in fantastic shapes by the explosion of the northeast bastion. In addition, there has been assembled martial equipment of the period and a superb collection of military prints.

William Lyon Mackenzie Home Restoration

At Queenston, the Commissioners have rebuilt from its ruins the building once occupied by the celebrated William Lyon Mackenzie. Formerly a successful merchant at Dundas, he came here to live in the autumn of 1824 and opened a general store. Although he stayed at Queenston only a year, it was there that he decided to abandon commerce for politics and as a journalist took the first step in his subsequently eventful career. It may almost be said that the great struggle against the Family Compact and the agitation for political reform began at Queenston when Mackenzie published the first number of the Colonial Advocate on May 18, 1824.

On June 18, 1938, the present Prime Minister of Canada formally opened the reconstructed building, reproduction of the handsome limestone structure in which his grandfather, William Lyon Mackenzie had once resided. The distinguished visitor read a letter written by Mackenzie wherein the latter referred to the planting of locust trees in front of his home, following which the Prime Minister noted that the trees were today mature and sheltered the replica of that home. In connection with the restoration, the Commissioners were fortunate in securing an historic piece of printing machinery—no less than the original handpress which was once contained in the building. There is ample evidence to support the authenticity of this relic which now occupies a prominent place in the reconstructed Mackenzie house at Queenston.

Restoration of Fort George at Niagara-on-the-Lake

The original fort was constructed by Lieutenant-Governor Simcoe between 1796 and 1799 to replace Fort Niagara which was transferred to the United States after the American Revolution. It occupied a height close to the river's bank nearly a mile above the town of Niagara and was the principal British post on the Niagara Frontier until 1813. Fort George fell to the Americans after a brave resistance on May 27, 1813, but, before withdrawing, the British garrison set fire to its buildings and blew up its earthworks.

Between 1799 and 1813 there were no important alterations in the structure of the fort. An official military report of the spring of 1812 described Fort George as an irregular field work, consisting of six small bastions faced with dramed timber and plank and connected with a loop-holed stockade twelve feet high, outside which there was a shallow dry ditch. The solid earth bastions were floored with plank to form platforms for cannon and the parapets pierced with numerous gun embrasures. Within the fort were five defensible barrack buildings or blockhouses, separate officers' quarters, a guardhouse, storehouses, a kitchen, and a powder magazine. There was also a small octagonal blockhouse in the redan on the southeast front. All of the blockhouses were constructed of squared logs, were two stories in height and had splinter-proof roofs. The powder magazine, built of solid masonry with bomb-proof arches, was enclosed by a thick high embankment of earth to protect it from gun-fire.

On the margin of the river and immediately in advance of Fort George were four clapboarded buildings known collectively as "Navy Hall", which had been constructed by the British Admiralty during the American Revolution to serve as winter quarters for the officers and seamen of the Provincial Marine on Lake Ontario. Nearby was a good-sized wharf, and at this period, these buildings were utilized for military stores. The largest, frequently referred to as the "Red Barracks", is in existence today and has been preserved by the Niagara Parks Commission. The first sitting of the Legislature of Upper Canada took place in Navy Hall.

Perhaps the most important decision connected with the restoration of Fort George was choice of the period in its history to be represented by its construction. The first fort had opposed the Americans in the War of 1812. There General Brock, the hero of Upper Canada, had his headquarters and there he was buried after the Battle of Queenston Heights in 1812. The second Fort George, constructed by the Americans and afterwards garrisoned by the British for only a short time, was never attacked and had few historical associations for Canadians. For these reasons, it was decided that Fort George might best be restored to its original state as built by the orders of Lieutenant-Governor Simcoe in 1796.

The work of restoration was commenced by the Niagara Parks Commission in the spring of 1937 and was completed during the summer of 1940. The bastions, stockades, and other defences have all been carefully rebuilt according to the original plans of the Royal Engineers. Eleven of the fourteen initial buildings have also been restored. The officers' quarters, some of the soldiers' barrack rooms, the guard room, the kitchen and the artificers' shop are refurnished as they were when occupied by British troops from 1797 to 1813.

The Niagara Parks Commissioners have recently defined their work as preservation, restoration, commemoration, beautification, and attraction, a programme to which, since the inception of the Park, they have assiduously applied themselves to the limit of their finances. While a great deal has been accomplished within these classifications and Ontario's Niagara Parks constitute an unrivalled achievement it must not be supposed that the work is now complete. Throughout the Commission's history, many plans and projects, the need of which was always apparent, have had to be postponed time after time because the financial situation would not permit of more active growth. In every field of endeavour, much remains to be done before the work will even approach completion, and beyond that the task of preservation and maintenance must always continue.

SEVERED CONNECTION

Ronald Way, who has been part-time historian of the Niagara Parks Commission, severed his official connection with the Commission on March 31. His final work was the completion of the history of the Commission, which brings the story up to date. In the past Mr. Way had been working part-time for the Department of Highways and part-time for the Niagara Parks Commission. He left to put in full time with the Department of Highways but with the understanding that should his duties with that department permit, his services would occasionally be available for the Commission in the event of special work for which he is capable being in sight.

EARLY NEWSPAPERS IN NIAGARA AREA

The presence of the William Lyon Mackenzie press in the restored William Lyon Mackenzie home at Queenston, makes much historical interest references in the daily press to the early newspapers of the Niagara Area. On April 17, 1943, J. J. Talman wrote in the London Free Press:

> Tomorrow will be the 150th anniversary of the appearance of the first newspaper in Ontario, for on April 18, 1793, the first number of The Upper Canada Gazette made its appearance at Newark, now called Niagara-on-the-Lake. This paper owed its existence to the efforts of Lieutenant-Governor Simcoe, who set up a printing press in Niagara. He had difficulty in finding a printer, but eventually was able to borrow a French Canadian named Louis Roy from the printing office of Samuel Neilson, a prominent printer in Quebec. Roy brought his printing press and type from Montreal or Quebec, and from letters which exist, it is known that Roy was doing job printing by the middle of January, 1793, several months before the first number of The Upper Canada Gazette appeared.
>
> Very little is known of Louis Roy. In an article by W. S. Wallace, of the University of Toronto, published in The Canadian Historical Review, March, 1931, it is shown from a death notice of Charles Roy, a brother of Louis, that he was the son of a French soldier who married in Canada. Louis Roy appears to have left Upper Canada in the autumn of 1794 and to have gone to Montreal, where he established another paper. He disappeared from view in 1797.
>
> The newspaper was continued from the autumn of 1794 to 1797 by Gideon Tiffany, of the well-known early Western Ontario Family. Titus Geer Simons published the paper until October 20, 1798. At this time the paper was moved to York, where different publishers brought it out at various periods. From 1813 to 1815 the paper did not appear because the Americans destroyed the press when they captured York. After 1815 the paper continued to appear until 1845. Files of this newspaper are exceedingly rare. The best one is preserved in the Ontario Legislature Library.
>
> The first number of the Upper Canada Gazette would scarcely look like a newspaper to a modern reader, for the issue contained practically no news, but was devoted largely to official proclamations. The first advertisement, which incidently is the first newspaper advertisement to be printed in the province, could not be printed today, for it was an advertisement for a brewery. This brewery had been proposed by Simcoe, who wished to have beer manufactured in the province, in the hope that the people would be weaned away from the very harsh whisky and imported rum which they had been accustomed to drinking. There is no evidence that the plan was a success.
>
> After the appearance of the Upper Canada Gazette, it was six years before another newspaper appeared. This was The Canada Constellation, printed at Niagara in 1799. During the next 20 years 13 other newspapers appeared, most of which had a very short life. During the War of 1812-15, The Kingston Gazette was the only paper published, and it came out only at irregular intervals. There is only one known file of the war years of this paper in existence. This is preserved in the Ontario Archives.

BRIEF NOTES OF INTEREST

Concession receipts of the three years prior to the present fiscal year were: 1940-41, $111,916; 1941-42, $161,735; 1942-43, $122,859.

The Commission placed a temporary water line to supply water to the Farm Service Hostel, Queenston, where approximately 60 girls were housed for the fruit harvest season.

As opportunity permitted, stone riprap was placed along the banks of the Niagara River at spots where erosion was marked. Completion of such work is among the postwar projects under consideration. Thirty thousand tons of stone will be needed.

The Niagara Falls Kiwanis Club conducted a "Sunrise Service" on June 27 in the Oakes Garden Theatre, on a community, not a denominational basis. The use of the Oakes Garden Theatre for denominational purposes is not allowed.

A dinner and dance was held for the staff of the Commission at the Park Restaurant on June 28. The evening is to be an annual one, being the one time in the year that it is possible for the staff members to get together.

A policy of tree fertilization for the trees in the system, especially those within Queen Victoria Park, has been approved, when fertilizer and manpower shortages have been overcome. The idea is that fertilizer will be fed through small holes drilled in a circle at the leaves' drip, thus reaching the true feeding roots of the trees, some of which show signs of lack of adequate nourishment.

The Department of National Defense was given permission to lay a 10-inch water main through the grounds surrounding Fort George.

The Commission held to its policy of not allowing service poles on the Niagara Boulevard. When an application for wire service was received from the Canadian Niagara Power Company, they were informed that permission would be granted if the wires were placed in a conduit, but not for the erection of poles.

To eliminate wear by cars parked up against the grass at the Clifton Gate entrance gore, curbs were placed. This will enable keeping the grass in much better condition and will limit the cars to the roadway parking area, off the grass.

A design for flagstoning walks at the Oakes Garden Theatre to replace gravelled walks, which are hard to keep in condition, was approved. The actual work will be done by the Commission's own staff as opportunity offers, after the war.

Approval was given for widening of the Ox Trail, Niagara Glen, which is not wide enough for the passage of a tractor or horses. With a wider passable road dead trees may be removed from the Glen or Foster's Flats, the trees to be used for fuel during the present fuel shortage.

The Commission took over the maintenance of planting at the Rainbow Bridge area and from the traffic circle to Stanley Street, on the Queen Elizabeth Highway outlet to the Rainbow Bridge.

Walter Field and Steve Mezo tied for the scholarships donated to the Niagara Falls Collegiate Institute and Vocational School.

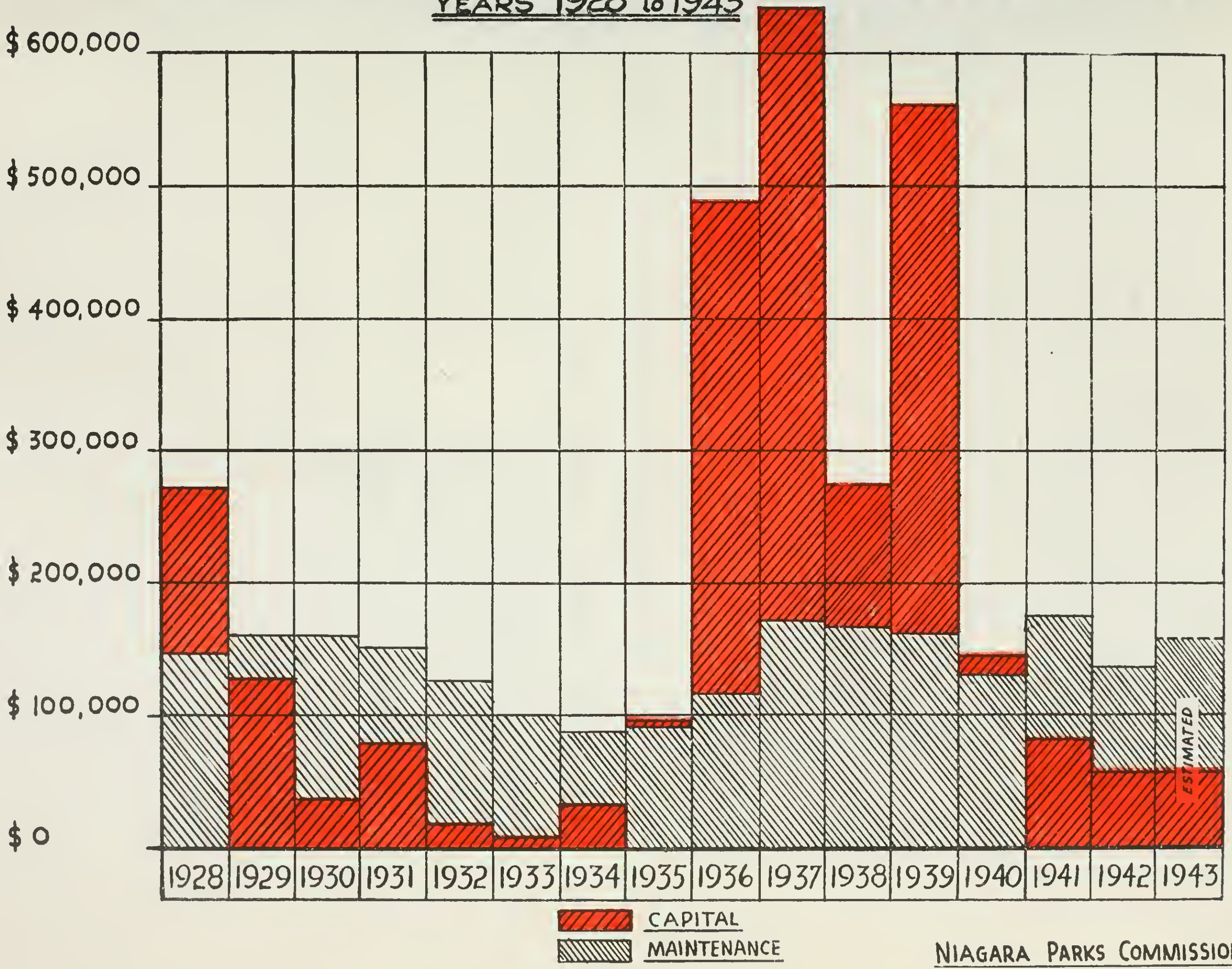
General approval was given to the Township of Niagara firemen and ARP men to hook onto the water main at the Mackenzie Building, Queenston, in case of fire emergency.

The Commission expressed interest in securing sufficient of the Hydro lands along Chippawa Creek to enable a drive to be set out and planted.

Capital expenditures during the year totalled $46,466.50.

Twelve park benches for the Rainbow Gardens and twenty-three urns and six flower boxes, will be placed out early this year. They will complete the furnishings of this park area.

CAPITAL AND MAINTENANCE EXPENDITURES
YEARS 1928 to 1943



NIAGARA PARKS COMMISSION
NIAGARA FALLS, ONT.

Twenty-two members of the permanent staff of 125 are paying into superannuation. Eleven others are eligible under provincial rules.

Your Commissioners, in closing this review of the 1943-44 activities of the Niagara Parks Commission, would ask that it be recalled that it was a year of stress in many ways—shortage of staff, shortage of materials, shortage of equipment. Much improvisation had to be done in a mechanical way; men had to be used who had no training in handling plant life; the student classes at the Training School for Apprentice Gardeners were never more than half filled, and often had less than half of the establishment of 24 originally planned, throwing additional loads on those who remained. In these circumstances, it is but fitting to pay tribute to all members of the N.P.C. staff, from the General Manager down through heads of departments to the men and women and boys and oldsters who buckled down under trying circumstances and enabled the service to be given to the public, visually and otherwise, which that public has been led to expect within the confines of the parks system. It was a remarkable feat. Department heads under Maxim T. Gray, O.L.S., General Manager for and Secretary to the Commission, were: John Oakes, Chief of Horticulture; K. M. Broman, Superintendent of Arboriculture; J. W. Archer, Accountant and Supervisor of Service; L. L. Gisborne, Works Superintendent; and N. McCartney, Field and Office Engineer.

Complete financial statements, prepared by the accounting and auditing staff, and properly certified, are a part of this report, following this presentation.

All of which is respectfully submitted to Your Honour by

THE NIAGARA PARKS COMMISSION

T. B. McQuesten, K.C., Chairman
Dr. G. B. Snyder, Vice-Chairman
W. L. Houck, B.S.
Archie J. Haines
Judge J. C. M. German
Ross Harstone
A. T. Whitaker

NIAGARA PARKS COMMISSION

BALANCE SHEET

AS AT MARCH 31st, 1944

ASSETS

CURRENT			
Cash on Hand		$1,860.00	
Accounts Receivable		545.14	
Inventories of Supplies and Souvenirs		21,948.57	
			$24,353.71
WATER RENTALS, EARNED			201,450.35
RESERVE FUND			
Sinking Fund Provision for 5½%, 15 year Debentures due 1st August, 1947:—			
Deposit with the Treasury Department of Ontario as at December 1st, 1943		$209,497.68	
Accrued interest thereon		2,793.31	
(Deducted from Debenture Issue)		$212,290.99	
PROPERTY			
Land, Buildings and Improvements, Cost	$6,414,435.25		
Less: Reserve for Depreciation	1,829,747.07		
		$4,584,688.18	
Office and Restaurant Equipment, Cost	$170,069.68		
Less: Reserve for Depreciation	125,313.77		
		44,755.91	
Cars and Trucks, Cost	$17,624.34		
Less: Reserve for Depreciation	16,428.31		
		1,196.03	
Miscellaneous Equipment and Tools, Cost	$44,987.33		
Less: Reserve for Depreciation	32,042.70		
		12,944.63	
Tableware, Linens and Utensils, Cost	$32,705.78		
Less: Reserve for Depreciation	31,328.86		
		1,376.92	
			4,644,961.67
DEFERRED CHARGES			
Discount on Debentures	$87,820.00		
Less: Written Off	71,315.00		
		$16,505.00	
Expenses in re New Bridge Approaches		8,769.64	
Expenses in re Protection of Power Plants		2,808.04	
Inventories of Expense Items		17,005.59	
Unexpired Insurance		6,000.00	
			51,088.27
			$4,921,854.00
LEGACY FUNDS (For certain improvements in connection with Mather Park)			
Province of Ontario Savings Office			99,671.54
			$5,021,525.54

LIABILITIES

CURRENT			
Canadian Bank of Commerce, Niagara Falls			
Chairman's Account	$19,398.87		
Current Account	4,033.18		
Payroll Account	7,201.69		
		$30,633.74	
Accounts Payable		4,796.68	
			$35,430.42
FUNDED DEBT			
2½% Notes Guaranteed by the Province of Ont. payable December 21, 1944, $500,000 each, numbered 1 to 6	$3,000,000.00		
Accrued interest thereon	20,547.94		
		$3,020,547.94	
4% Instalment Gold Debentures, Guaranteed by Province of Ontario, payable December 1, 1928-47	$2,000,000.00		
Less: Redeemed	1,465,000.00		
	$535,000.00		
Accrued interest thereon	7,133.33		
		542,133.33	
5½%, 15 year Debentures, Guaranteed by Province of Ontario, due August 1st, 1947	$300,000.00		
Accrued interest thereon	2,750.00		
	$302,750.00		
Less: Amount of Sinking Fund	212,290.99		
		90,459.01	
			3,653,140.28
RESERVE—Public Liability			29,208.61
SURPLUS			
As at April 1st, 1943		$1,111,956.29	
Add: Excess of Revenue over Expenditure for year		92,118.40	
			1,204,074.69
			$4,921,854.00
SURPLUS—Mather Park			99,671.54
			$5,021,525.54

REVENUE AND EXPENDITURE FOR YEAR ENDED 31ST MARCH, 1944

REVENUE

	YEAR ENDED March 31, 1944	March 31, 1943
OPERATING REVENUE OR *LOSS* (before Depreciation)		
Park Restaurant	$4,798.03	*$3,752.00*
Queenston Restaurant	*591.47*	*1,805.78*
Niagara Glen Restaurant	381.59	*372.97*
Brock's Monument	2,020.44	2,192.88
Clifton Gate House and Incline Railway	13,766.35	14,183.90
Fort Erie Pavilion and Barracks	477.66	181.47
Trading Post	*188.00*	*166.14*
	$20,664.60	$10,461.36
Less: Salaries and Expenses of Warehouse and Table Rock House	6,580.67	9,465.98
Less: Depreciation on Equipment and Utensils	8,633.03	8,132.27
NET OPERATING REVENUE AND *LOSS*	$5,450.90	*$7,136.89*
Water Rentals	$545,054.30	$545,860.04
Privileges, Tolls and Fees	13,906.41	13,252.44
Cash Discount	203.34	292.96
Sundry Revenue	2,974.65	5,207.39
TOTAL REVENUE	$567,589.60	$557,475.94

EXPENDITURE

Maintenance and Upkeep of Parks and Grounds	$153,173.62	$133,691.66
Salaries and Expenses of Guards and Caretakers	21,962.95	23,957.80
Administration Expenses	28,603.74	27,291.92
Miscellaneous Expenses	36,987.54	35,178.26
Special Grants	1,425.00	3,363.15
Interest on Debentures, Notes, Loans, Etc.	107,982.12	113,614.29
Discount on Debentures	4,583.00	4,583.00
American Currency Exchange	15,991.33	15,913.43
Depreciation on Sundry Tools and Equipment	4,761.90	5,031.36
Depreciation on Buildings and Improvements	100,000.00	100,000.00
TOTAL EXPENDITURE	$475,471.20	$462,624.87
Excess of Revenue over Expenditure	92,118.40	94,851.07
	$567,589.60	$557,475.94

SCHEDULE 1

SCHEDULE OF LANDS, BUILDINGS AND IMPROVEMENTS AS AT MARCH 31st, 1944

Lands and Improvements:—		
Butler's Burial Ground	$5,354.78	
Parkway North (Fort George to Niagara Falls)	985,120.21	
Queenston Heights Park	202,977.86	
Niagara Glen	44,183.91	
Lundy's Lane Burial Ground	6,744.61	
Queen Victoria Park	1,116,939.48	
Parkway South (Queen Victoria Park to Fort Erie)	1,242,516.35	
Fort Erie Park	14,618.39	
Fort Erie to Old Fort	21,397.61	
Town of Fort Erie	531,934.58	
Town of Niagara-on-the-Lake	43,409.83	
City of Niagara Falls	249,107.01	
Queenston to Niagara Falls	180,797.93	
Fort George to Queenston	99,248.10	
		$4,744,350.65
Buildings:—		
Queenston Souvenir Store	$4,754.94	
Queenston Creche	8,173.03	
Queenston Restaurant	35,051.46	
Queenston Pavilion	2,086.44	
Electric Cable and Transformer Line	1,174.96	
Buildings for Training School	42,063.41	
Niagara Glen Inn	35,493.22	
Administration Building	97,392.23	
Park Restaurant	318,286.95	
Table Rock House	287,025.92	
Dufferin Island Refreshment Stand	424.78	
Fort Erie Pavilion	15,602.40	
Garden Theatre	365,215.79	
Information Building	22,893.72	
Memorial Arch	36,526.89	
W. L. Mackenzie Building and Addition	33,412.28	
Fort George, Niagara-on-the-Lake	261,190.70	
Fort Erie and Park	102,667.44	
I.R.C. Power House Building	595.00	
Sundries	53.04	
		1,670,084.60
TOTAL		$6,414,435.25

SCHEDULE 2

CONDENSED STATEMENT OF OPERATIONS OF CONCESSIONS FOR YEAR ENDED 31st MARCH, 1944

	Receipts Sales	Cost of Sales	GROSS PROFIT	
			Amount	% of Cost
Souvenirs	$44,825.42	$20,877.15	$23,948.27	114.69
China	13,136.23	9,287.99	3,848.24	41.43
Confectionery	5,656.37	4,093.59	1,562.78	38.17
Tobacco	6,545.96	5,655.60	890.36	15.74
	$70,163.98	$39,914.33	$30,249.65	....
Meals and Refreshments	67,745.18	38,213.78	29,531.40	77.29
Tolls and Admissions	7,636.84	....	7,636.84	....
	$145,546.00	$78,128.11	$67,417.89	
GOODS SOLD AT COST EX WAREHOUSE:—				
Souvenirs	$90.18	$90.18	....	
China	1,137.45	1,137.45	....	
Tobacco	34.46	34.46	....	
	$146,808.09	$79,390.20	$67,417.89	
Add: Gain on American small money			616.84	
			$68,034.73	
Salaries and Wages		$33,485.33		
Expenses		13,884.80		
		$47,370.13		
Salaries and Expenses of Warehouse and Table Rock House		6,580.67		
Depreciation on Equipment and Utensils		8,633.03		
			62,583.83	
Operating Profit			$5,450.90	

OPERATING ACCOUNTS FOR YEAR ENDED 31st MARCH, 1944

	Receipts Sales	Cost of Sales	GROSS PROFIT	
			Amount	% of Cost
PARK RESTAURANT:				
Dining Room	$29,728.50	....	....	....
Lunch Room	17,373.87	....	....	....
	$47,102.37	$24,344.78	$22,757.59	93.49
Souvenirs	10,407.41	4,571.43	5,835.98	127.67
China	8,743.64	6,288.65	2,454.99	39.03
Confectionery	2,039.19	1,421.53	617.66	43.46
Tobacco	2,210.82	1,800.12	410.70	22.81
	$70,503.43	$38,426.51	$32,076.92	
Add: Gain on American small money			1.01	
			$32,077.93	
Salaries and Wages		$19,164.86		
Expenses		8,115.04		
			27,279.90	
Operating Profit (before Depreciation)				$4,798.03

	Receipts Sales	Cost of Sales	GROSS PROFIT Amount	GROSS PROFIT % of Cost
QUEENSTON RESTAURANT:				
Dining Room	$10,464.66			
Refreshments	3,096.05			
	$13,560.71	$8,381.19	$5,179.52	61.80
Souvenirs	860.76	422.63	438.13	103.57
China	228.57	173.34	55.23	31.90
Confectionery	699.76	532.93	166.83	31.30
Tobacco	780.58	684.39	96.19	14.05
	$16,130.38	$10,194.48	$5,935.90	
Salaries and Wages		$4,089.12		
Expenses		2,438.25		
			6,527.37	
Operating *Loss* (before Depreciation)				*$591.47*

	Receipts Sales	Cost of Sales	GROSS PROFIT Amount	GROSS PROFIT % of Cost
NIAGARA GLEN RESTAURANT:				
Refreshments	$2,111.35	$1,764.69	$346.66	19.69
Souvenirs	2,260.97	1,044.46	1,216.51	116.52
China	1,140.72	791.45	349.27	44.15
Confectionery	834.25	592.99	241.26	40.68
Tobacco	863.55	703.11	160.44	22.82
	$7,210.84	$4,896.70	$2,314.14	
Add: Gain on American small money			3.56	
			$2,317.70	
Salaries and Wages		$1,354.01		
Expenses		582.10		
			1,936.11	
Operating Profit (before Depreciation)				$381.59

	Receipts Sales	Cost of Sales	GROSS PROFIT Amount	GROSS PROFIT % of Cost
CLIFTON GATE STORE AND RAILWAY:				
Tickets	$3,644.55	....	$3,644.55	....
Refreshments	1,664.47	$1,247.67	416.80	33.39
Souvenirs	30,162.07	14,204.87	15,957.20	112.33
China	3,023.30	2,034.55	988.75	48.70
Confectionery	1,364.32	1,035.58	328.74	31.91
Tobacco	1,981.39	1,765.92	215.47	12.20
	$41,840.10	$20,288.59	$21,551.51	
Add: Gain on American small money			579.33	
			$22,130.84	
Salaries and Wages		$6,206.38		
Expenses		2,158.11		
			8,364.49	
Operating Profit (before Depreciation)				$13,766.35

	Receipts Sales	Cost of Sales	GROSS Amount	PROFIT % of Cost
Fort Erie Pavilion and Barracks:				
Admission Tickets	$683.45	....	$683.45	....
Refreshments	2,661.42	$1,920.79	740.63	38.57
Souvenirs	344.24	269.68	74.56	27.61
Confectionery	619.73	440.46	179.27	40.74
Tobacco	470.63	383.16	87.47	22.84
	$4,779.47	$3,014.09	$1,765.38	
Add: Gain on American small money			32.94	
			$1,798.32	
Salaries and Wages		$1,011.56		
Expenses		309.10		
			1,320.66	
Operating Profit (before Depreciation)				$477.66

	Receipts Sales	Cost of Sales	GROSS Amount	PROFIT % of Cost
Trading Post:				
Admission Tickets	$680.60	....	$680.60	....
Refreshments	644.86	$554.66	90.20	16.25
Souvenirs	789.97	364.08	425.89	117.00
Confectionery	99.12	70.10	29.02	41.40
Tobacco	238.99	318.90	*79.91*	*25.05*
	$2,453.54	$1,307.74	$1,145.80	
Salaries and Wages		$1,051.60		
Expenses		282.20		
			1,333.80	
Operating *Loss* (before Depreciation)				*$188.00*

	Receipts Sales	Cost of Sales	GROSS Amount	PROFIT % of Cost
Brock's Monument:				
Gross Receipts from Tolls			$2,628.24	
Salaries and Other Expenses			607.80	
Operating Profit			....	$2,020.44

SCHEDULE 3

REVENUE FROM WATER RENTALS FOR YEAR ENDED 31st MARCH, 1944

	YEAR ENDED March 31, 1944	YEAR ENDED March 31, 1943
From Canadian Niagara Power Company:		
Fixed	$15,000.00	$15,000.00
Additional	57,178.46	55,872.07
	$72,178.46	$70,872.07
From Ontario Power Company:		
Fixed	$30,000.00	$30,000.00
Additional	89,790.84	89,139.29
	$119,790.84	$119,139.29
From Electrical Development Company:		
Fixed	$15,000.00	$15,000.00
Additional	62,071.09	68,734.12
	$77,071.09	$83,734.12
From Hydro-Electric Power Commission	$276,013.91	$272,114.56
	$545,054.30	$545,860.04

SCHEDULE 4

REVENUE FROM PRIVILEGES, TOLLS AND FEES FOR YEAR ENDED 31st MARCH, 1944

	YEAR ENDED	
	March 31, 1944	March 31, 1943
From Niagara Spanish Aero Car Company	$3,500.00	$1,750.00
From Maid-of-the-Mist Steamboat Company	2,500.00	2,500.00
Fees from Lundy's Lane Burial Ground	190.00	235.00
Niagara Concessions, Limited—Rent	....	1,000.00
Hy-Power Viewing Machines	6,810.40	6,557.50
Niagara Amusements	106.00	....
	$13,106.40	$12,042.50
FROM BUS COMPANIES:		
Gray Coach Lines, Limited	....	$267.00
Canada Coach Lines, Limited	$757.61	877.31
Sundry	42.40	65.63
	$800.01	$1,209.94
	$13,906.41	$13,252.44

SCHEDULE 5

MAINTENANCE AND UPKEEP OF PARKS, PARKWAYS AND GROUNDS FOR YEAR ENDED 31st MARCH, 1944

	YEAR ENDED	
	March 31, 1944	March 31, 1943
Butler's Burial Ground	$295.11	$179.44
Military Reserve	6,353.75	6,311.21
Military Reserve to Queenston	10,648.36	6,125.90
Queenston Heights Park	6,880.75	7,484.94
Queenston to Niagara Falls	32,855.49	25,174.19
Niagara Glen	1,678.65	1,713.67
City of Niagara Falls	17,022.93	13,432.75
Lundy's Lane Burial Ground	1,721.71	1,618.64
Queen Victoria Park	56,373.35	53,963.57
Queen Victoria Park to Fort Erie	10,820.85	9,176.05
Town of Fort Erie	4,953.32	5,462.56
Fort Erie Park	3,569.35	3,048.74
	$153,173.62	$133,691.66

SCHEDULE 6

SALARIES AND EXPENSES OF GUARDS AND CARETAKERS FOR YEAR ENDED 31st MARCH, 1944

	YEAR ENDED	
	March 31, 1944	March 31, 1943
Military Reserve	$654.78	$713.42
Fort George to Queenston	570.62	886.81
Queenston Heights Park	2,914.47	3,474.79
Queenston to Niagara Falls	1,685.62	2,206.82
Niagara Glen	132.20	478.20
City of Niagara Falls	3,490.61	3,526.82
Lundy's Lane Burial Ground	1,617.72	1,492.50
Queen Victoria Park	8,130.83	7,769.40
Queen Victoria Park to Fort Erie	1,441.25	2,073.71
Fort Erie Park	1,324.85	1,335.33
	$21,962.95	$23,957.80

SCHEDULE 7

ADMINISTRATION EXPENSES
FOR YEAR ENDED 31st MARCH, 1944

	YEAR ENDED	
	March 31, 1944	March 31, 1943
Executive and Office Salaries	$23,547.38	$23,578.78
Office Supplies	954.32	688.72
Office Expenses	2,267.81	1,533.61
Travelling Expenses	324.85	110.40
Commissioners' Expenses	1,509.38	1,380.41
	$28,603.74	$27,291.92

SCHEDULE 8

MISCELLANEOUS EXPENSES
FOR YEAR ENDED 31st MARCH, 1944

	YEAR ENDED	
	March 31, 1944	March 31, 1943
Insurance	$5,831.61	$4,463.43
Advertising	7,266.90	7,133.27
Pensions	2,406.00	2,606.00
Professional Services	1,630.17	363.50
Exchange on Bond Coupons and Bonds	101.57	85.17
Contribution to Superannuation Fund	1,948.62	2,129.82
Compensation and Medical Fees	940.21	719.45
Leases and Taxes	1,110.71	1,065.06
Car Mileage	3,042.70	3,304.08
Sundry Maintenance	280.33	948.35
Library Books, Etc.	3.63	40.90
Telephone Account	1,952.74	1,720.59
Christmas Gifts to Staff	920.68	1,324.27
Unemployment Insurance	232.89	189.30
Cost-of-Living Bonus	9,098.68	9,082.98
Loss on Equipment Sold	220.10	....
	$36,987.54	$35,178.26

SCHEDULE 9

GRANTS AND SPECIAL CHARGES
FOR YEAR ENDED 31st MARCH, 1944

	YEAR ENDED	
	March 31, 1944	March 31, 1943
Stoney Creek Battleground—Grant	$800.00	$800.00
Board of Illumination	....	1,000.00
Niagara Falls, Vocational School	25.00	25.00
Niagara Falls Chamber of Commerce	300.00	300.00
Niagara Falls General Hospital	200.00	200.00
Training School Students	100.00	435.62
Staff Enlistments	....	602.53
	$1,425.00	$3,363.15

SCHEDULE 10

CAPITAL EXPENDITURE
FOR YEAR ENDED 31st MARCH, 1944

Military Reserve:		
Gates at Navy Hall	$758.23	
Lands	1,600.50	
		$2,358.73
Military Reserve to Queenston:		
Lands		25,596.50
Queenston Heights Park:		
Landscaping, roadway, etc.		5,510.91

Queenston to Niagara Falls:		
Sewer drain at Training School	$44.17	
Arboretum Road	2,868.28	
Ox Trail Road Construction	1,231.80	
		$4,144.25
City of Niagara Falls:		
Rainbow Bridge Planting	$3,948.24	
Garden Theatre Screen	788.31	
Garden Theatre Flagstone	354.57	
Clifton Gate House Addition	230.00	
		5,321.12
Queen Victoria Park:		
Stone Curbing		1,886.90
Town of Fort Erie:		
Mather Park, Sea Wall		11,202,72
		$56,021.13
Sundry Credits	$34.78	
Sales of Lands and Buildings	805.00	
		839.78
		$55,181.35

SCHEDULE 11

STATEMENT OF APPLICATION OF FUNDS, WORKING CAPITAL AND GROSS PROFITS FOR YEAR ENDED 31st MARCH, 1944

FUNDS PROVIDED

Gross Profits (as shown below)	$210,471.43
Sundry Sale of Equipment	2.27
	$210,473.70

FUNDS EXPENDED

Additions to Lands, Building and Improvements	$55,181.35
Additions to Office, Restaurant and Other Equipment	3,701.62
Addition to Working Capital	7,797.92
Reduction of Debenture Indebtedness	143,792.81
	$210,473.70

CURRENT BALANCE SHEET ITEMS

	YEAR ENDED	
	March 31, 1944	March 31, 1943
ASSETS		
Cash on Hand	$1,860.00	$1,760.00
Accounts Receivable—General	545.14	1,245.92
Accounts Receivable—Water Rentals	201,450.35	214,829.95
Inventories of Supplies and Souvenirs	21,948.57	31,595.59
Inventories of Expense Items	17,005.59	15,198.05
Unexpired Insurance	6,000.00	2,568.55
	$248,809.65	$267,198.06
LIABILITIES		
Canadian Bank of Commerce	$30,633.74	$48,884.84
Accounts Payable	4,796.68	11,118.58
Accrued Interest on Notes and Debentures	30,431.27	32,004.60
	$65,861.69	$92,048.02
Working Capital	$182,947.96	$175,150.04
Increase	....	7,797.92
	$182,947.96	$182,947.96

APPLICATION OF GROSS PROFITS

Provision for Depreciation on Lands, Buildings and Improvements...	$100,000.00
Provision for Depreciation and Wastage on Office, Restaurant and other Equipment	13,394.93
Written off Discount on Debentures	4,583.00
Written off Loss on Equipment Sold	375.10
Net Profit—Added to Surplus	92,118.40
	$210,471.43

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